

**EOG Resources, Inc.**  
**P.O. 1910**  
**Vernal, UT 84078**

January 15, 2003

Utah Division of Oil, Gas, & Mining  
1594 West North Temple, Suite 1210  
P.O. Box 145801  
Salt Lake City, UT 84114-5801

RE: APPLICATION FOR PERMIT TO DRILL  
NORTH CHAPITA 221-6  
SW/SE, SEC. 6, T9S, R22E  
UINTAH COUNTY, UTAH  
LEASE NO.: FEE  
FEE OWNERS: Kay M. Haws and  
Jean J. Haws, Trustees of The  
Kay and Jean Haws Family Trust  
dated 12-17-1997

Enclosed please find a copy of the Application for Permit to Drill and associated attachments for the referenced well.

Please address further communication regarding this matter (including approval) to:

Ed Trotter  
P.O. Box 1910  
Vernal, UT 84078  
Phone: (435)789-4120  
Fax: (435)789-1420

Sincerely,



Ed Trotter  
Agent  
EOG Resources, Inc.

Attachments

**RECEIVED**

**JAN 16 2003**

DIV. OF OIL, GAS & MINING

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

001

APPLICATION FOR PERMIT TO DRILL OR REENTER

1a. TYPE OF WORK ☒ DRILL ☐ REENTER  
b. TYPE OF WELL ☐ Oil Well ☒ Gas Well ☐ Other ☐ Single Zone ☐ Multiple Zone

2. Name of Operator

**EOG RESOURCES, INC.**

Address

**P.O. BOX 1910, VERNAL, UT 84078**

3b. Telephone Number: **(435) 789-4120**

4. Location of Well (Report location clearly and in accordance with any State requirements. \*)  
At surface

**785' FSL & 1794' FEL**

**SW/SE**

**4435320 Y  
629723 X  
40.06005  
-109.47902**

At proposed prod. Zone

14. Distance in miles and direction from nearest town or post office\*

**11.9 MILES SOUTHEAST OF OURAY, UTAH**

15. Distance from proposed location to nearest property or lease line, ft.  
(Also to nearest drig. Unit line, if any)

**785'**

16. No. of acres in lease

**80**

18. Distance from proposed location\* to nearest well, drilling, completed, or applied for, on this lease, ft.

**See Map C**

19. Proposed depth

**10,877' 11,550'**

21. Elevations (show whether DF, KDB, RT, GL, etc.)

**4702.4 FEET GRADED GROUND**

22. Approx. date work will start\*

**UPON APPROVAL**

5. Lease serial No.

**FEE**

6. If Indian, Allottee or Tribe name

**N/A**

7. If Unit or CA Agreement, Name and No.

**N/A**

8. Lease Name and Well No.

**NORTH CHAPITA 221-6**

9. API Well No.

**43-047-34873**

10. Field and pool, or Exploratory

**MESA VERDE**

**MANCOS**

11. Sec., T., R., M., or BLK. And survey of area

**SEC. 6, T9S, R22E, S.L.B.&M.**

12. County or parish

**UINTAH**

13. State

**UTAH**

17. Spacing Unit dedicated to this well

20. BLM/BIA Bond No. on file

**#NM 2308**

**U+1230**

**RECEIVED**

23. Estimated duration

**JAN 16 2003**

**DIV. OF OIL, GAS & MINING**

24. Attachments

The following, completed in accordance with the requirements of Onshore Oil and Gas Order No. 1, shall be attached to this form:

1. Well plat certified by a registered surveyor.
2. A Drilling Plan
3. A Surface Use Plan (if the location is on National Forest System lands, the SUPO shall be filed with the appropriate Forest Service Office).

4. Bond to cover the operations unless covered by an existing bond on file (see item 20 above).
5. Operator certification.
6. Such other site specific information and/or plans as may be required by the Authorized officer.

25. Signature

*Ed Trotter*

Name (Printed/ Typed)

**Ed Trotter**

Date

**January 15, 2003**

Title

**Agent**

Approved by (Signature)

Title

Name (Printed/ Typed)

**BRADLEY G. HILL  
ENVIRONMENTAL SCIENTIST III**

Date

**02-20-03**

Application approval does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.  
Conditions of approval, if any, are attached.

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.  
\*(Instructions on reverse)

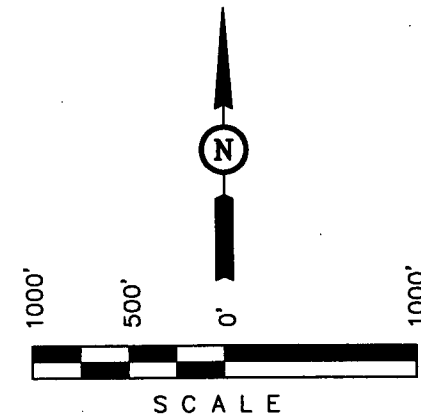
# EOG RESOURCES, INC.

**T9S, R22E, S.L.B.&M.**

Well location, N. CHAPITA #221-6, located as shown in the SW 1/4 SE 1/4 of Section 6, T9S, R22E, S.L.B.&M. Uintah County, Utah.

## BASIS OF ELEVATION

BENCH MARK 20EAM LOCATED IN THE SE 1/4 OF SECTION 35, T8S, R21E, S.L.B.&M. TAKEN FROM THE OURAY SE, QUADRANGLE, UTAH, UTAH COUNTY, 7.5 MINUTE QUAD. (TOPOGRAPHIC MAP) PUBLISHED BY THE UNITED STATES DEPARTMENT OF THE INTERIOR, GEOLOGICAL SURVEY. SAID ELEVATION IS MARKED AS BEING 4697 FEET.



## CERTIFICATE

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

*Robert L. Kay*  
 REGISTERED LAND SURVEYOR  
 REGISTRATION NO. 161519  
 STATE OF UTAH  
 ROBERT L. KAY

**UTAH ENGINEERING & LAND SURVEYING**  
 85 SOUTH 200 EAST - VERNAL, UTAH 84078  
 (435) 789-1017

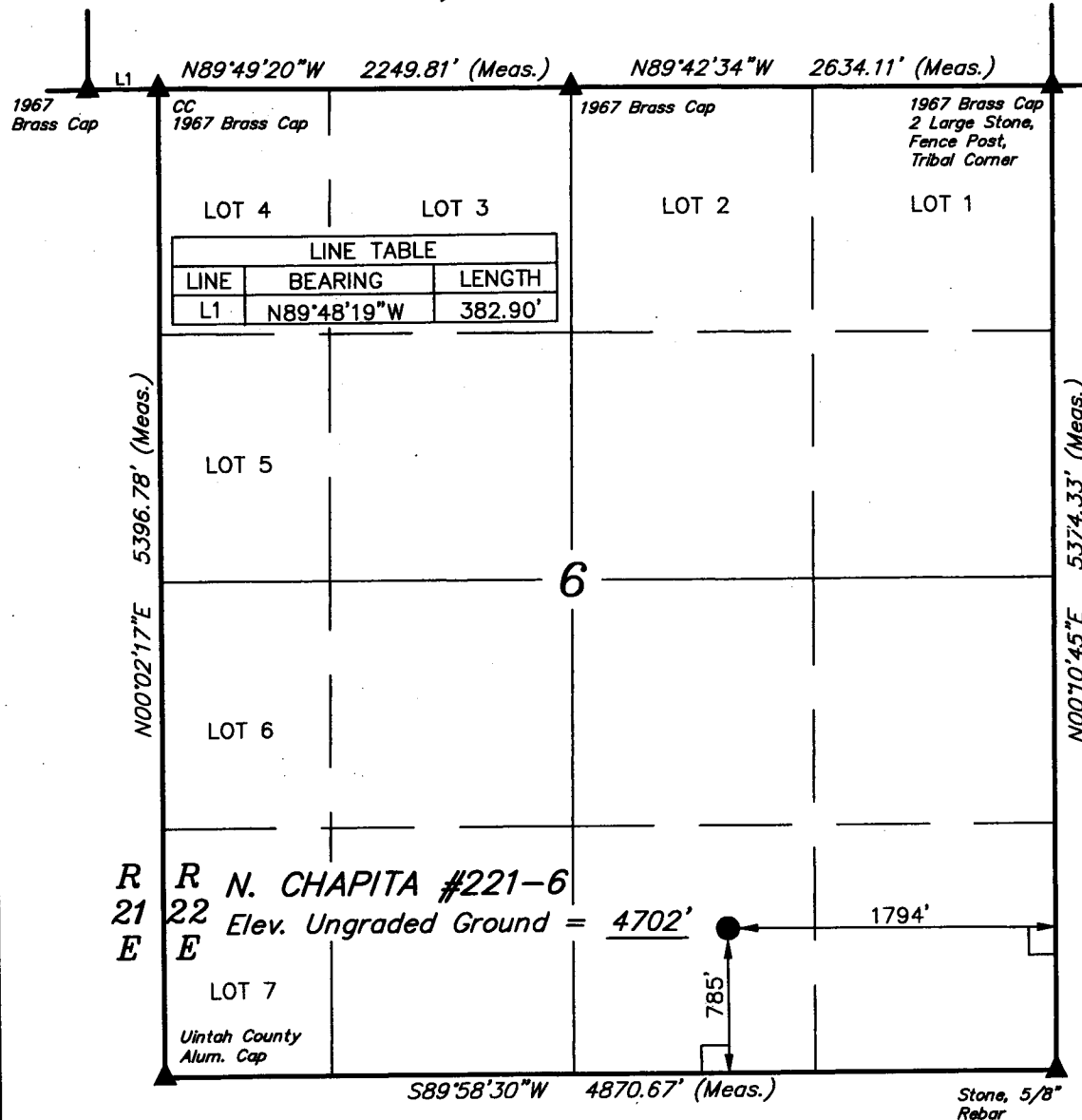
## LEGEND:

- = 90° SYMBOL
- = PROPOSED WELL HEAD.
- = SECTION CORNERS LOCATED.

## BASIS OF BEARINGS

BASIS OF BEARINGS IS A G.P.S. OBSERVATION.

(NAD 27)  
 LATITUDE = 40°03'35.83" (40.059953)  
 LONGITUDE = 109°28'44.59" (109.479053)



**EIGHT POINT PLAN**  
**NORTH CHAPITA 221-6**  
**SW/SE, SEC. 6, T9S, R22E, S.L.B.&M.**  
**UINTAH COUNTY, UTAH**  
**EIGHT POINT PLAN**

**1. & 2. ESTIMATED TOPS & ANTICIPATED OIL, GAS, & WATER ZONES:**

<b>FORMATION</b>	<b>DEPTH (KB)</b>
Green River FM	1862
Wasatch (UB)	5107
Island	7625
KMV Price River	8049
KMV Price River Lower	9588
Sego	10,063
KMV Castlegate	10,162
KMV Black Hawk	10,597

EST. TD: 10,877

Anticipated BHP 4700 PSI

**3. PRESSURE CONTROL EQUIPMENT:** BOP Schematic Diagram attached.

**4. CASING PROGRAM:**

<b><u>HOLE SIZE</u></b>	<b><u>INTERVAL</u></b>	<b><u>LENGTH</u></b>	<b><u>SIZE</u></b>	<b><u>WEIGHT</u></b>	<b><u>GRADE</u></b>	<b><u>THREAD</u></b>	<b><u>MINIMUM SAFETY FACTOR</u></b>		
							<b><u>COLLAPSE</u></b>	<b><u>BURST</u></b>	<b><u>TENSILE</u></b>
17 1/2"	0' - 200'+/- GL	200'+/-	13 3/8"	48.0 #	H-40	ST&C	770 PSI	1730 PSI	322,000#
12 1/4"	200' - 2800'+/- KB	2800' +/-	9 5/8"	36.0 #	J-55	ST&C	2020 PSI	3520 PSI	394,000#
7 7/8"	2800' - TD+/-KB	10,877'+/-	4 1/2"	11.6 #	N-80	LT&C	6350 PSI	7780 PSI	223,000#

All casing will be new or inspected.

**5. Float Equipment:**

**SURFACE HOLE PROCEDURE (0-200' Below GL):**

Guide Shoe

Wooden wiper plug

Centralizers: 1 – 5-10' above shoe, every collar for next 3 joints (4 total).

**INTERMEDIATE HOLE PROCEDURE (200-2700'):**

Guide Shoe

Insert Float Collar (PDC drillable)

Centralizers.: 1-5' above shoe, top of jts. #2 and #3 then every 5<sup>th</sup> joint to surface. (15 total)

**PRODUCTION HOLE PROCEDURE 2700'-TD:**

FS, 1 joint of casing, FC, and balance of casing to surface. Run marker collars and ±9900' and ±7400' (alter depth if needed to avoid placing across any potentially- productive intervals). Centralize 5' above shoe on joint #1, top of joint #2, then every 2nd joint to 400' above Island top (40 total). Thread lock FS, top and bottom of FC, and top of 2<sup>nd</sup> joint.

**EIGHT POINT PLAN**  
**NORTH CHAPITA 221-6**  
**SW/SE, SEC. 6, T9S, R22E, S.L.B.&M.**  
**UINTAH COUNTY, UTAH**  
**EIGHT POINT PLAN**

NOTE: Differential pressure rating on internal valves in float equipment is 3000 psi.

**6. MUD PROGRAM**

**SURFACE HOLE PROCEDURE (0-200' Below GL):**

Air – Air Water Mist

**INTERMEDIATE HOLE PROCEDURE (200-2700'):**

Water (circulate through reserve pit) with Gel/LCM sweeps.

**PRODUCTION HOLE PROCEDURE 2700'-TD:**

2700'-4900' Water (circulate through reserve pit) with Gel/LCM sweeps.

4900'-7400' Close in mud system. "Mud up" with 6 ppb Diammonium Phosphate (DAP). Drill with DAP water, POLYPLUS for viscosity and hole cleaning, adding KLA-GARD B for supplemental inhibition. Also sweep hole periodically w/ Durogel / LCM sweeps to clean the hole and seal loss zones. Add additional LCM as hole dictates. Mud weight and vis as needed, water loss – no control.

7400'-TD Discontinue KLA-GARD B. Utilize POLYPAC-R for fluid loss control. Maintain 6 ppb DAP. **Do not mix caustic or lime.** Maintain 7.5-8.5 pH. Weight up system and add vis as hole conditions require. Run LCM sweep periodically to seal off loss zones or more often as hole dictates. Water loss: 10-12 cc's. Expect increasing gas shows requiring heavier mud weights from top of Island onward. Treat CO2 contamination with DESCO CF and OSIL (Oxygen scavenger).

**7. VARIANCE REQUESTS:**

- A. EOG Resources, Inc. requests a variance to regulations requiring a straight run blooie line (Where possible, a straight run blooie line will be used).
- B. EOG Resources, Inc. requests a variance to regulations requiring an automatic ignitor or continuous pilot light on the blooie line. (Not required on aerated water system).
- B. EOG Resources, Inc. requests a variance to regulations requiring the blooie line to be 100' in length. To reduce location excavation, the blooie line will be 75' in length.

**8. EVALUATION PROGRAM:**

Logs: Schlumberger Platform Express TD – Surface Casing, with Di-pole Sonic from TD to surface in 1 run.

**EIGHT POINT PLAN**  
**NORTH CHAPITA 221-6**  
**SW/SE, SEC. 6, T9S, R22E, S.L.B.&M.**  
**UINTAH COUNTY, UTAH**  
**EIGHT POINT PLAN**

**9. CEMENT PROGRAM:**

**SURFACE HOLE PROCEDURE (0-200' Below GL):**

**Lead:** 240 sx. (100% excess volume) Class 'G' cement with 2% S1 (CaCl<sub>2</sub>) & 0.25 pps D29 (cellophane flakes), mixed at 15.8 ppg, 1.15 cu. ft./sk., 4.95 gps water.

**Top Out:** Top out with Class 'G' cement with 2% S1 (CaCl<sub>2</sub>) in mix water, 15.8 ppg, 1.15 cu. ft./sk., 4.95 gps via 1" tubing set at 25' if needed.

**INTERMEDIATE HOLE PROCEDURE (200-2700'):**

**Lead:** 120 sx. (50% excess volume) Class 'G' lead cement (coverage from 2000-1000') with 5% D44 (Salt), 12% D20 (Bentonite), 1% D79% (Extender), 0.25% D112 (Fluid Loss Additive), 0.2% D46 (Anti-Foamer) & 0.25 pps D29 (Cellophane flakes) mixed at 11.0 ppg, 3.91 ft<sup>3</sup>/sk., 24.5 gps water.

**Tail:** 210 sx. (50% excess volume) Class 'G' cement (coverage from 2700-2000') with 10% D53 (Gypsum), 2% S1 (CaCl<sub>2</sub>) & 0.25 pps D29 (Cellophane flakes) mixed at 14.2 ppg, 1.61 ft<sup>3</sup>/sk., 7.9 gps water.

Bump plug with fresh water. Do not pump over ½ of shoe volume past calculated displacement. Note and record final lift pressure and plug bump pressure.

**PRODUCTION HOLE PROCEDURE 2700'-TD:**

Use openhole log caliper volume plus 5% excess to calculate cement volumes. Bring lead cement into base of surface casing and tail cement to 400' above top of Wasatch. Reciprocate pipe ±45' while conditioning hole and cementing. Utilize all available pump rate and thin mud to below 40 vis prior to cementing. Set on bottom if it starts getting sticky. Bump plug 1000 psi over FPP (not to exceed 5500 psi) with treated (clay stabilizer) fresh water. Utilize top plug only.

**Lead:** 35:65 Poz G w/ 4% D20 (Bentonite), 2% D174 (Extender), 0.2% D65 (Dispersant), 0.2% D46 (Antifoamer), 0.75% D112 (Fluid Loss Additive), 0.15% D13 (Retarder), mixed at 13.0 ppg, 1.73 cu. ft./sk., 9.06 gps water.

**Tail:** 50:50 Poz G w/ 2% D20 (Bentonite), 0.1% D46 (Antifoamer), 0.15% D13 (Retarder), 0.2% D167 (Fluid Loss Additive), 0.2% D65 (Dispersant), mixed at 14.1 ppg, 1.28 cu. ft./sk., 5.9 gps water.

**EIGHT POINT PLAN**  
**NORTH CHAPITA 221-6**  
**SW/SE, SEC. 6, T9S, R22E, S.L.B.&M.**  
**UINTAH COUNTY, UTAH**  
**EIGHT POINT PLAN**

**10. ABNORMAL CONDITIONS:**

**INTERMEDIATE HOLE PROCEDURE (200-2700')**

**Potential Problems:** Probable lost circulation below 1850' and minor amounts of gas will be present. Monitor for and report any hydrocarbon shows and/or water zones.

**PRODUCTION HOLE PROCEDURE 2700'-TD**

**Potential Problems:** Research indicates that mud losses are possible throughout all of the 7-7/8" hole, especially when weights exceed 10.8 ppg. Have a variety of LCM particle sizes on location in ample supplies to cover your needs. At the same time, formation pressures in productive zones could require up to 12.0 ppg mud weights to control. Sloughing shales and keyseat development are possible in the Wasatch Formation. CO2 contamination in the mud is possible in Price River (Mesaverde).

**11. STANDARD REQUIRED EQUIPMENT:**

- A. Choke Manifold
- B. Kelly Cock
- C. Stabbing Valve
- D. Visual Mud Monitoring

**12. HAZARDOUS CHEMICALS:**

No chemicals subject to reporting under SARA title III in an amount equal to or greater than 10,000 pounds will be used, produced, stored, transported, or disposed of annually in association with the drilling of this well. Furthermore, no extremely hazardous substances, as defined in 40 CFR 355, in threshold planning quantities, will be used, produced, stored, transported, or disposed of in association with the drilling of this well.

(Attachment: BOP Schematic Diagram)

### 5000 PSIG DIAGRAM

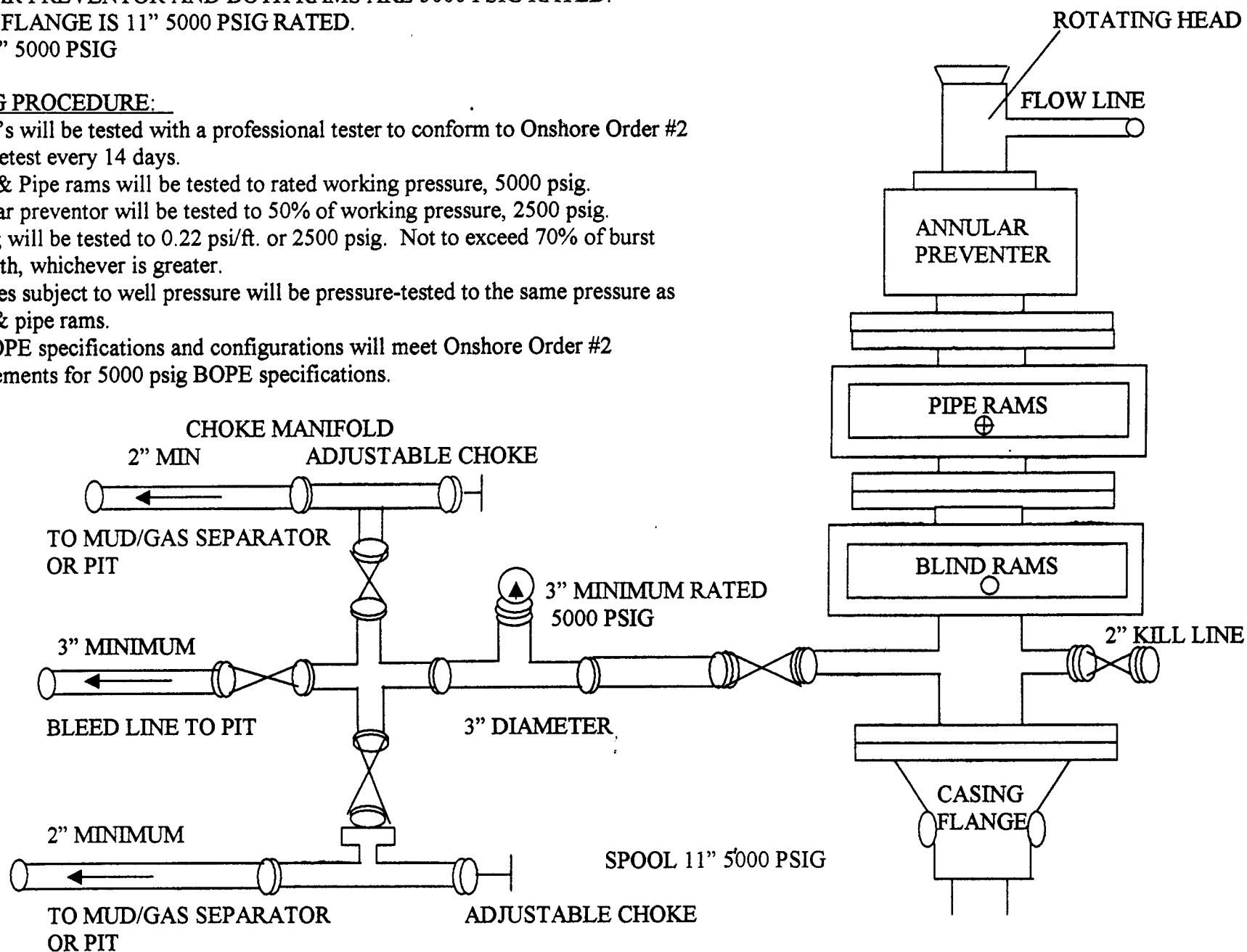
ANNULAR PREVENTOR AND BOTH RAMS ARE 5000 PSIG RATED.

CASING FLANGE IS 11" 5000 PSIG RATED.

BOPE 11" 5000 PSIG

#### TESTING PROCEDURE:

1. BOPE's will be tested with a professional tester to conform to Onshore Order #2 with retest every 14 days.
2. Blind & Pipe rams will be tested to rated working pressure, 5000 psig.
3. Annular preventor will be tested to 50% of working pressure, 2500 psig.
4. Casing will be tested to 0.22 psi/ft. or 2500 psig. Not to exceed 70% of burst strength, whichever is greater.
5. All lines subject to well pressure will be pressure-tested to the same pressure as blind & pipe rams.
6. All BOPE specifications and configurations will meet Onshore Order #2 requirements for 5000 psig BOPE specifications.





**EOG RESOURCES, INC.**  
**N. CHAPITA #221-6**  
**SECTION 6, T9S, R22E, S.L.B.&M.**

PROCEED IN A WESTERLY DIRECTION FROM VERNAL, UTAH ALONG U.S. HIGHWAY 40 APPROXIMATELY 14.0 MILES TO THE JUNCTION OF STATE HIGHWAY 88; EXIT LEFT AND PROCEED IN A SOUTHERLY DIRECTION APPROXIMATELY 17.0 MILES TO OURAY, UTAH; PROCEED IN A SOUTHERLY DIRECTION APPROXIMATELY 0.3 MILES ON THE SEEP RIDGE ROAD TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE EAST; TURN LEFT AND PROCEED IN AN EASTERLY DIRECTION APPROXIMATELY 3.4 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE NORTHEAST; TURN LEFT AND PROCEED IN A NORTHEASTERLY DIRECTION APPROXIMATELY 0.7 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE EAST; TURN RIGHT AND PROCEED IN AN EASTERLY, THEN NORTHEASTERLY, THEN SOUTHEASTERLY DIRECTION APPROXIMATELY 4.4 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE SOUTHEAST; TURN RIGHT AND PROCEED IN A SOUTHEASTERLY DIRECTION APPROXIMATELY 0.4 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE SOUTHEAST; PROCEED IN A SOUTHEASTERLY DIRECTION APPROXIMATELY 0.8 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE EAST; TURN RIGHT AND PROCEED IN AN EASTERLY, THEN SOUTHEASTERLY DIRECTION APPROXIMATELY 1.6 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE SOUTH; TURN RIGHT AND PROCEED IN A SOUTHERLY, THEN SOUTHWESTERLY DIRECTION APPROXIMATELY 0.3 MILES TO THE PROPOSED LOCATION.

TOTAL DISTANCE FROM VERNAL, UTAH TO THE PROPOSED WELL LOCATION IS APPROXIMATELY 42.9 MILES.

**CONDITIONS OF APPROVAL  
FOR THE SURFACE USE PROGRAM OF THE  
APPLICATION FOR PERMIT TO DRILL**

Company/Operator: EOG Resources, Inc.  
Well Name & Number: North Chapita 221-6  
Lease Number: FEE  
Location: 785' FSL & 1794' FEL, SW/SE, Sec. 6,  
T9S, R22E, S.L.B.&M.,  
Uintah County, Utah

Surface Ownership: Kay M. Haws and Jean J. Haws, Trustees  
of the Kay and Jean Haws Trust  
dated December 17, 1997

**NOTIFICATION REQUIREMENTS**

Location Construction - forty-eight (48) hours prior to construction  
of location and access roads.

Location Completion - prior to moving on the drilling rig.

Spud Notice: - at least twenty-four (24) hours prior to  
spudding the well.

Casing String and  
Cementing - twenty-four (24) hours prior to running  
casing and cementing all casing strings.

BOP and related  
Equipment Tests - twenty-four (24) hours prior to running  
casing and tests.

First Production  
Notice - within five (5) business days after new  
Well begins or production resumes after  
well has been off production for more than  
ninety (90) days.

For more specific details on notification requirements, please check the Conditions of  
Approval for Notice to Drill and Surface Use Program.

## **THIRTEEN POINT SURFACE USE PROGRAM**

### **1. EXISTING ROADS**

- A. See attached Wellsite Plats showing directional reference stakes on location, and attached TOPO Map "B" showing access to location from existing roads.
- B. The proposed well site is located approximately 11.9 miles southeast of Ouray, Utah - See attached TOPO Map "A".
- C. Refer to attached Topographic Map "A" showing labeled access route to location.
- D. Existing roads will be maintained and repaired as necessary. No off lease Right-of-Way will be required.

### **2. PLANNED ACCESS ROAD**

- A. The access road will be approximately 0.3 miles in length. See attached TOPO Map "B".
- B. The access road has a 30 foot ROW w/ 18 foot running surface.
- C. Maximum grade on access road will be 8%.
- D. No turnouts will be required.
- E. Road drainage crossings shall be of the typical dry creek drainage crossing type.
- F. No culverts, bridges, or major cuts and fills will be required.
- G. The access road will be dirt surface.
- H. No gates, cattleguards, or fences will be required or encountered.

New or reconstructed roads will be centerlined - flagged at time of location staking.

All travel will be confined to existing access road Right-of-Way. Access roads and surface disturbing activities will conform to standards outlined in the Bureau of Land Management and Forest Service Publication: Surface Operating Standards For Oil & Gas Exploration and Development, (1989).

The road shall be upgraded to meet the standards of the anticipated traffic flow and all-weather road requirements. Upgrading shall include ditching, drainage, graveling, crowning, and capping the roadbed as necessary to provide a well-constructed safe road. Prior to upgrading, the road shall be cleared of any snow cover and allowed to dry completely. Traveling off the 30 foot Right-of-Way will not be allowed.

Road drainage crossings shall be of the typical dry creek drainage crossing type. Crossings shall be designed so they will not cause siltation or accumulation of debris in the drainage crossings nor shall the drainages be blocked by the roadbed. Diverting water

off at frequent intervals by means of cutouts shall prevent erosion of drainage ditches by run off water. Upgrading shall not be allowed during muddy conditions. Should mud holes develop, they shall be filled in and detours around them avoided. As operator, EOG Resources, Inc. shall be responsible for all maintenance on cattleguards, or gates associated with this oil and/or gas operation.

3. **LOCATION OF EXISTING WELLS WITHIN A ONE MILE RADIUS OF PROPOSED WELL LOCATION**

Producing wells - 27\*

(\*See attached TOPO map "C" for location)

4. **LOCATION OF EXISTING AND/OR PROPOSED FACILITIES**

A. **ON WELL PAD**

1. Production facilities will be set on location if the well is successfully completed for production. Facilities will consist of well head valves, separator, dehy, 210 Bbl condensate tank, meter house and attaching piping.
2. Gas gathering lines - A 3" gathering line will be buried from dehy to the edge of the location.

B. **OFF WELL PAD**

1. Proposed location of attendant off pad flowlines shall be flagged prior to archaeological clearance.
2. A 3" OD steel above ground natural gas pipeline will be laid approximately 70' from proposed location to a point in the SW/SE of Section 6, T9S, R22E, where it will tie into Questar Pipeline Co.'s existing line. Proposed pipeline crosses Fee lands, thus a Right-of-Way grant will be required.
3. Proposed pipeline will be a 3" OD steel, welded line laid on the surface.
4. Protective measures and devices for livestock and wildlife will be taken and/or installed where required.

If storage facilities/tank batteries are constructed on this lease, the facility/battery or the well pad shall be surrounded by a containment dike of sufficient capacity to contain, at a minimum, the entire contents of the largest tank within the facility/battery, unless more stringent protective requirements are deemed necessary by the authorized officer.

The production facilities will be placed on the Southwest side of the location.

**5. LOCATION & TYPE OF WATER SUPPLY**

- A. Water supply will be from the Ouray Municipal Water Plant at Ouray, Utah, and/or Target Trucking Inc.'s water source in the SW/SW, Section 35, T9S, R22E, Uintah County, Utah (State Water Right #49-1501). Produced water from the Chapita Wells and Stagecoach Units will also be used.
- B. Water will be hauled by a licensed trucking company.
- C. No water well will be drilled on lease.

**6. SOURCE OF CONSTRUCTION MATERIAL**

- A. All construction material for this location and access road will be of native borrow and soil accumulated during the construction of the location.
- B. No mineral materials will be required.

**7. METHODS OF HANDLING WASTE DISPOSAL**

**A. METHODS AND LOCATION**

- 1. Cuttings will be confined in the reserve pit.
- 2. A portable toilet will be provided for human waste during the drilling and completion of the well. Disposal will be at the Vernal sewage disposal plant.
- 3. Burning will not be allowed. Trash and other waste material will be contained in a wire mesh cage and disposed of at the Uintah County landfill.
- 4. Produced wastewater will be confined to a lined pit or storage tank for a period not to exceed 90 days after initial production. After the 90 day period, the produced water will be contained in a tank on location and then disposed of at one of the following three locations: Natural Buttes Unit 21-20B SWD, Ace Disposal, or EOG Resources, Inc. drilling operations (Chapita Wells Unit, Natural Buttes Unit & Stagecoach Unit).
- 5. All chemicals will be disposed of at an authorized disposal site. Drip pans and absorbent pads will be used on the drilling rig to avoid leakage of oil to the pit.

- B. Water from drilling fluids and recovered during testing operations will be disposed of by either evaporating in the reserve pit or be removed and disposed of at an authorized disposal site. Introduction of well bore hydrocarbons to the reserve pit will be avoided by flaring them off in the flare pit at the time of recovery.

The reserve pit will be constructed so as not to leak, break, or allow discharge.

**The reserve pit shall not be lined.**

**8. ANCILLARY FACILITIES**

- A. No airstrips or camps are planned for this well.

**9. WELLSITE LAYOUT**

- A. Refer to attached well site plat for related topography cuts and fills and cross sections.
- B. Refer to attached well site plat for rig layout and soil material stockpile location as approved on On-site.
- C. Refer to attached well site plat for rig orientation, parking areas, and access road.

The reserve pit will be located on the East side of the location. The flare pit will be located downwind of the prevailing wind direction on the East side of the location, a minimum of 100 feet from the well head and 30 feet from the reserve pit fence.

The stockpiled topsoil will be stored along the West side of the location, between Corners 2 & 8 of the location.

Access to the well pad will be from the North.

**FENCING REQUIREMENTS:**

All pits will be fenced according to the following minimum standards:

- A. Thirty-nine inch net wire shall be used with at least one strand of barbed wire on top of the net wire. (Barbed wire is not necessary if pipe or some type of reinforcement rod is attached to the top of the entire fence).
- B. The net wire shall be no more than 2 inches above the ground. The barbed wire strand shall be 3 inches above the net wire. Total height of the fence shall be at least 42 inches.
- C. Corner posts shall be cemented and/or braced in such a manner as to keep the fence tight at all times.
- D. Standard steel, wood, or pipe posts shall be used between the corner braces. Maximum distance between any two posts shall be no greater than 16 feet.
- E. All wire shall be stretched by using a stretching device before it is attached to the corner posts.

The reserve pit fencing will be on the three sides during drilling operations and on the fourth side when the rig moves off the location. Pits will be fenced and maintained until clean up.

## **10. PLANS FOR RESTORATION OF SURFACE**

### **A. PRODUCING LOCATION**

Immediately upon well completion, the location and surrounding area will be cleared of all unused tubing, equipment, debris, materials, trash, and junk not required for production.

Immediately upon well completion, any hydrocarbons on the pit shall be removed in accordance with CFR 3162.7-1.

If a plastic nylon reinforced liner is used, it shall be torn and perforated before backfilling of the reserve pit.

## **11. SURFACE OWNERSHIP**

Access road: Kay M. Haws and Jean J. Haws, Trustees of The Kay and Jean Haws Family Trust dated 12-17-1997

Location: Kay M. Haws and Jean J. Haws, Trustees of The Kay and Jean Haws Family Trust dated 12-17-1997

## **12. OTHER INFORMATION**

A. EOG Resources, Inc. will inform all persons in the area who are associated with this project that they are subject to prosecution for knowingly disturbing historic or archaeological sites, or for collecting artifacts. If historic or archaeological materials are uncovered during construction, the operator will immediately stop work that might further disturb such materials, and contact the AO. Within five working days the AO will inform the operator as to:

- whether the materials appear eligible for the National Register of Historic Places;

- the mitigation measures the operator will likely have to undertake before the site can be used.

- a time frame for the AO to complete an expedited review under 36 CFR 800.11 to confirm, through the State Historic Preservation Officer, that the findings of the AO are correct and that mitigation is appropriate.

If the operator wished, at any time, to relocate activities to avoid the expense of mitigation and/or the delays associated with this process, the AO will assume responsibility for whatever recordation and stabilization of the exposed materials that may be required. Otherwise, the operator will be responsible for mitigation costs. The AO will provide technical and procedural guidelines for the conduct of mitigation. Upon verification from the AO that required mitigation has been completed, the operator will then be allowed to resume construction.

**Additional Surface Stipulations**

None

**LESSEE'S OR OPERATOR'S REPRESENTATIVE AND CERTIFICATION**

**PERMITTING AGENT**

Ed Trotter  
P.O. Box 1910  
Vernal, UT 84078  
Telephone: (435)789-4120  
Fax: (435)789-1420

**DRILLING OPERATIONS**

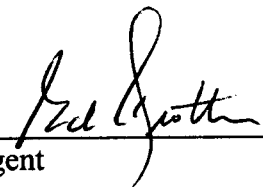
Donald Presenkowski  
EOG Resources, Inc.  
P.O. Box 250  
Big Piney, WY 83113  
Telephone: (307)276-4865

All lease or unit operations will be conducted in such a manner that full compliance is made with all applicable laws, regulations, Onshore Oil and Gas Orders, the approval plan of operations, and any applicable Notice to Lessees. EOG Resources, Inc. is fully responsible for the actions of their subcontractors. A copy of these conditions will be furnished to the field representative to insure compliance.

**Certification**

I hereby certify that I, or persons under my direct supervision, have inspected the proposed drillsite and access route; that I am familiar with the conditions that presently exist; that the statements made in the Plan are, to the best of my knowledge, true and correct; and that the work associated with the operations proposed herein will be performed by EOG Resources, Inc. and its contractors and subcontractors in conformity with this Plan and the terms and conditions under which it is approved.

1-15-2003  
Date

  
Agent



# EOG RESOURCES, INC.

**N. CHAPITA #221-6**

LOCATED IN UTAH COUNTY, UTAH  
SECTION 6, T9S, R22E, S.L.B.&M.



PHOTO: VIEW FROM CORNER #5 TO LOCATION STAKE

CAMERA ANGLE: NORTHWESTERLY



- Since 1964 -

**UELS** Uintah Engineering & Land Surveying  
85 South 200 East Vernal, Utah 84078  
435-789-1017 uels@uelsinc.com

**LOCATION PHOTO**

**11 27 02**  
MONTH DAY YEAR

**PHOTO**

TAKEN BY: B.B.

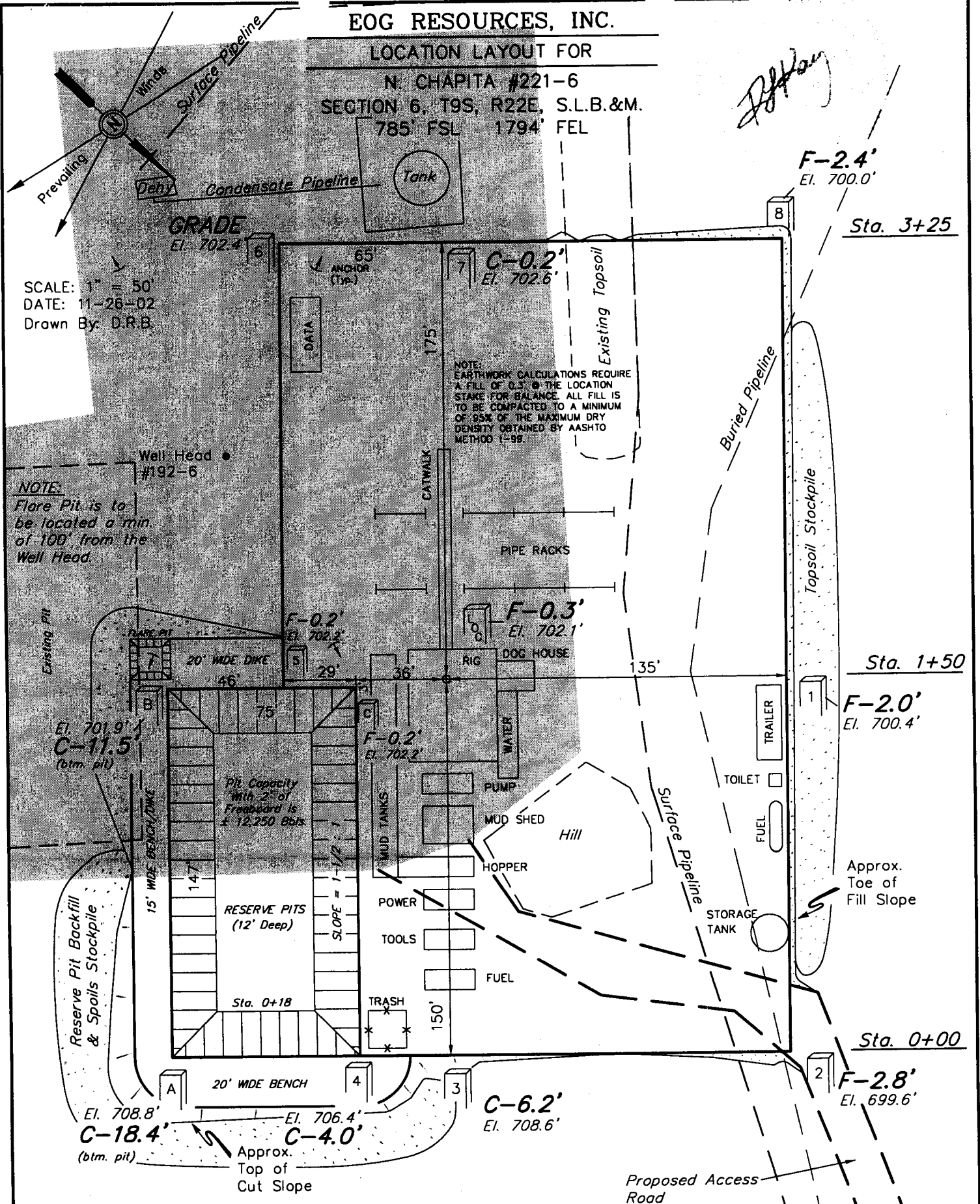
DRAWN BY: P.M.

REVISED: 00-00-00

# EOG RESOURCES, INC.

## LOCATION LAYOUT FOR

N. CHAPITA #221-6  
SECTION 6, T9S, R22E, S.L.B.&M.  
785' FSL 1794' FEL



Elev. Ungraded Ground at Location Stake = 4702.1'  
Elev. Graded Ground at Location Stake = 4702.4'

UINTAH ENGINEERING & LAND SURVEYING  
85 So. 200 East • Vernal, Utah 84078 • (435) 789-1017

# EOG RESOURCES, INC.

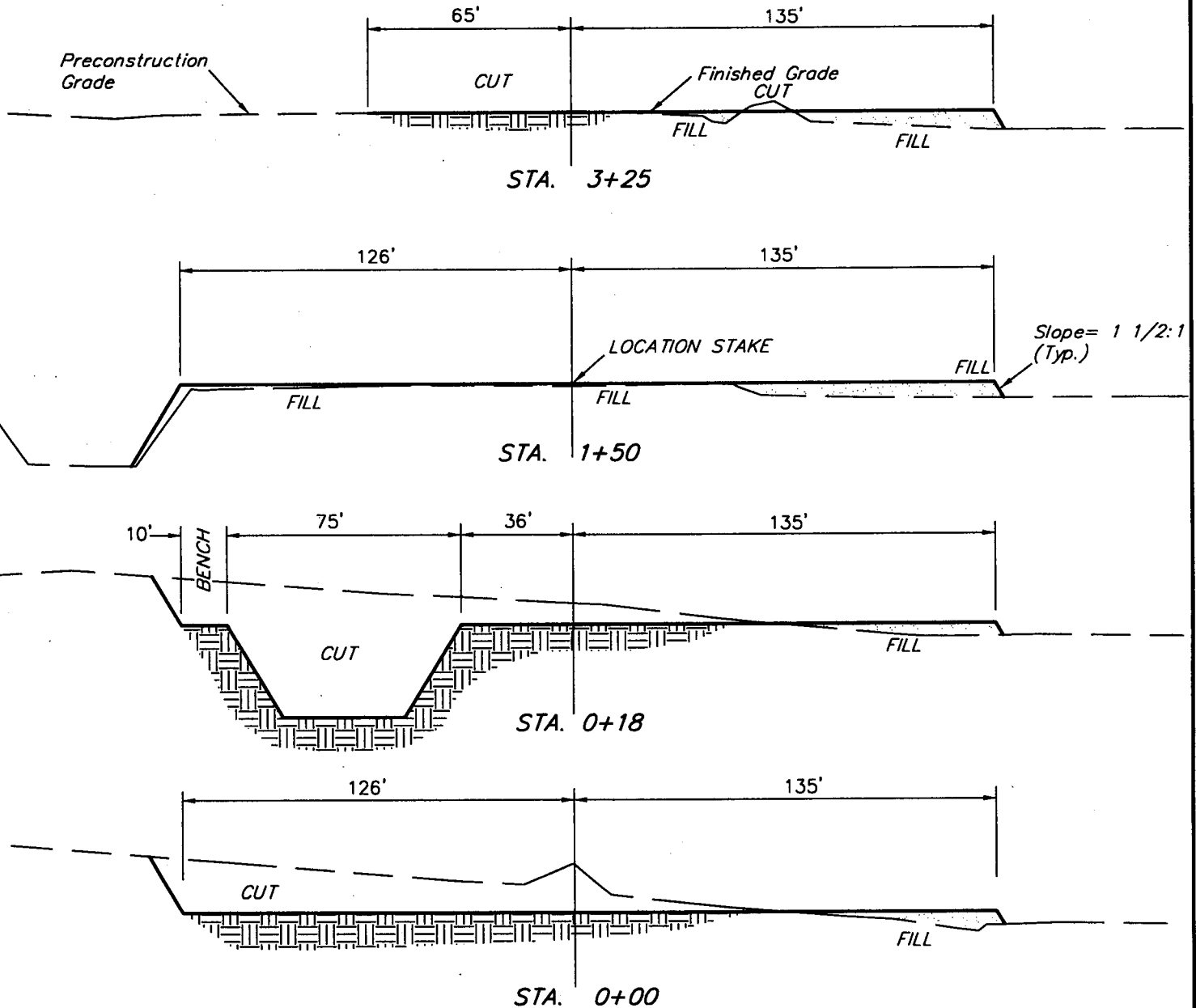
## TYPICAL CROSS SECTIONS FOR

N. CHAPITA #221-6  
SECTION 6, T9S, R22E, S.L.B.&M.  
785' FSL 1794' FEL



1" = 20'  
X-Section  
Scale  
1" = 50'

DATE: 11-26-02  
Drawn By: D.R.B.

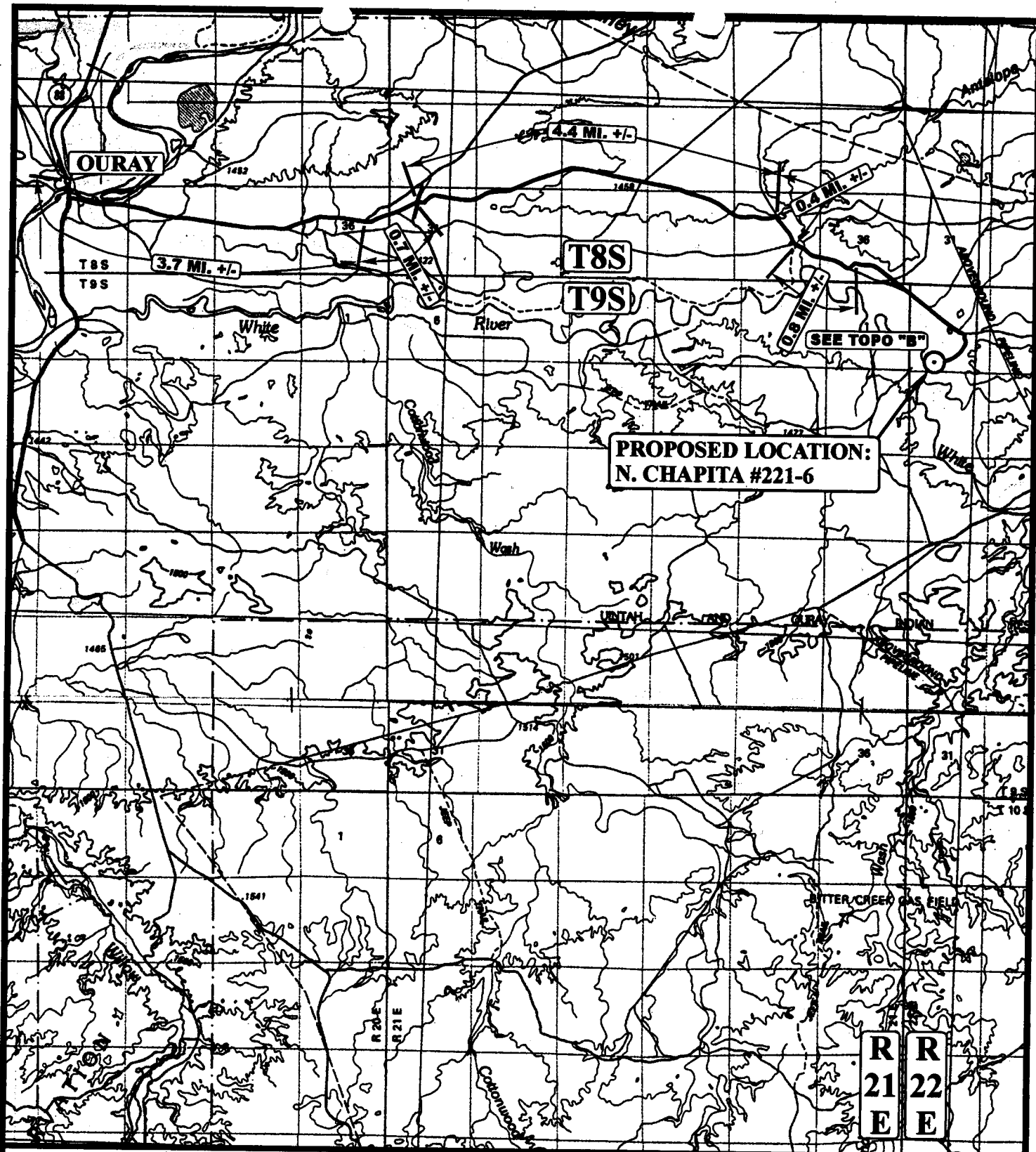


### APPROXIMATE YARDAGES

(6") Topsoil Stripping = 1,430 Cu. Yds.  
Remaining Location = 4,620 Cu. Yds.  
TOTAL CUT = 6,050 CU.YDS.  
FILL = 2,810 CU.YDS.

EXCESS MATERIAL AFTER  
5% COMPACTION = 3,090 Cu. Yds.  
Topsoil & Pit Backfill  
(1/2 Pit Vol.) = 3,090 Cu. Yds.  
EXCESS UNBALANCE  
(After Rehabilitation) = 0 Cu. Yds.

UINTAH ENGINEERING & LAND SURVEYING  
85 So. 200 East • Vernal, Utah 84078 • (435) 789-1017



# LEGEND:

○ PROPOSED LOCATION

EOG RESOURCES, INC.

N. CHAPITA #221-6  
SECTION 6, T9S, R22E, S.L.B.&M.  
785' FSL 1794' FEL



Uintah Engineering & Land Surveying  
85 South 200 East Vernal, Utah 84078  
(435) 789-1017 \* FAX (435) 789-1813

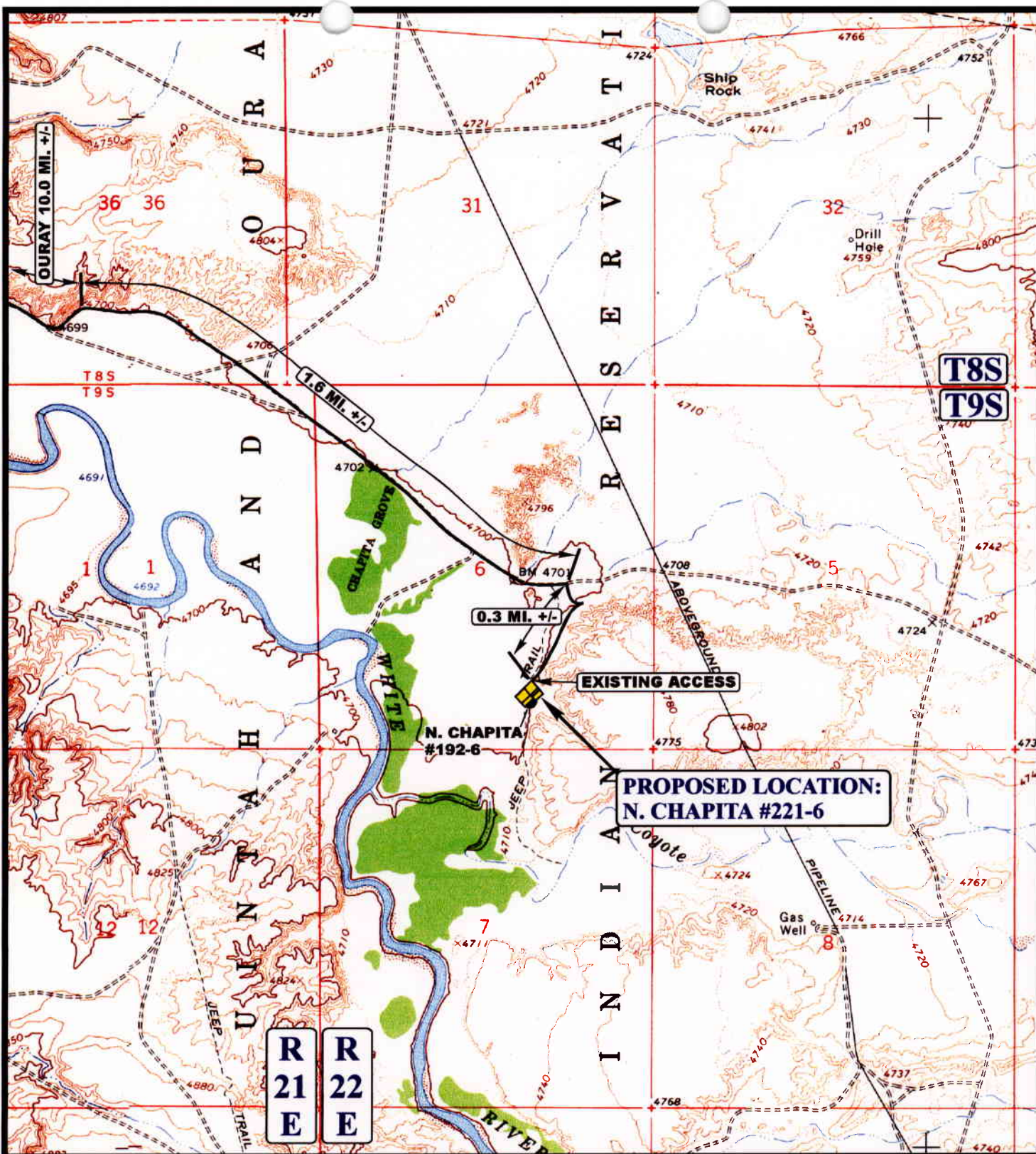
TOPOGRAPHIC  
MAP

11 27 02  
MONTH DAY YEAR

SCALE: 1:100,000 DRAWN BY: P.M. REVISED: 00-00-00







# **LEGEND:**

EXISTING ROAD

**EOG RESOURCES, INC.**

**N. CHAPITA #221-6**  
**SECTION 6, T9S, R22E, S.L.B.&M.**  
**785' FSL 1794' FEL**



**Uintah Engineering & Land Surveying**  
 85 South 200 East Vernal, Utah 84078  
 (435) 789-1017 \* FAX (435) 789-1813



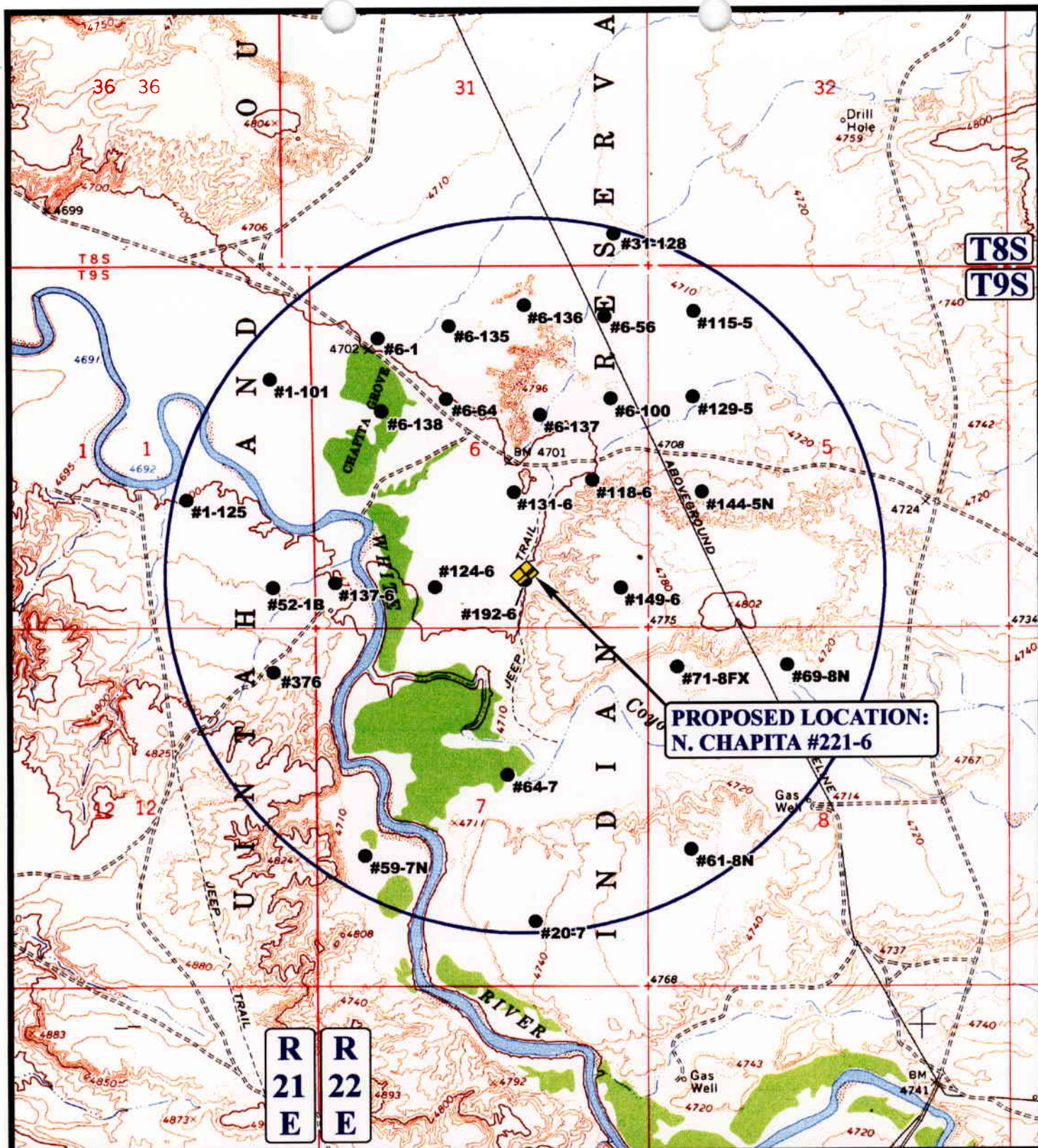
**TOPOGRAPHIC**  
**MAP**

**11** **27** **02**  
 MONTH DAY YEAR

SCALE: 1" = 2000' DRAWN BY: P.M. REVISED: 00-00-00

**B**  
**TOPO**





# LEGEND:

- DISPOSAL WELLS
- PRODUCING WELLS
- SHUT IN WELLS
- WATER WELLS
- ABANDONED WELLS
- TEMPORARILY ABANDONED



**Uintah Engineering & Land Surveying**  
 85 South 200 East Vernal, Utah 84078  
 (435) 789-1017 \* FAX (435) 789-1813



## EOG RESOURCES, INC.

**N. CHAPITA #221-6**  
**SECTION 6, T9S, R22E, S.L.B.&M.**  
**785' FSL 1794' FEL**

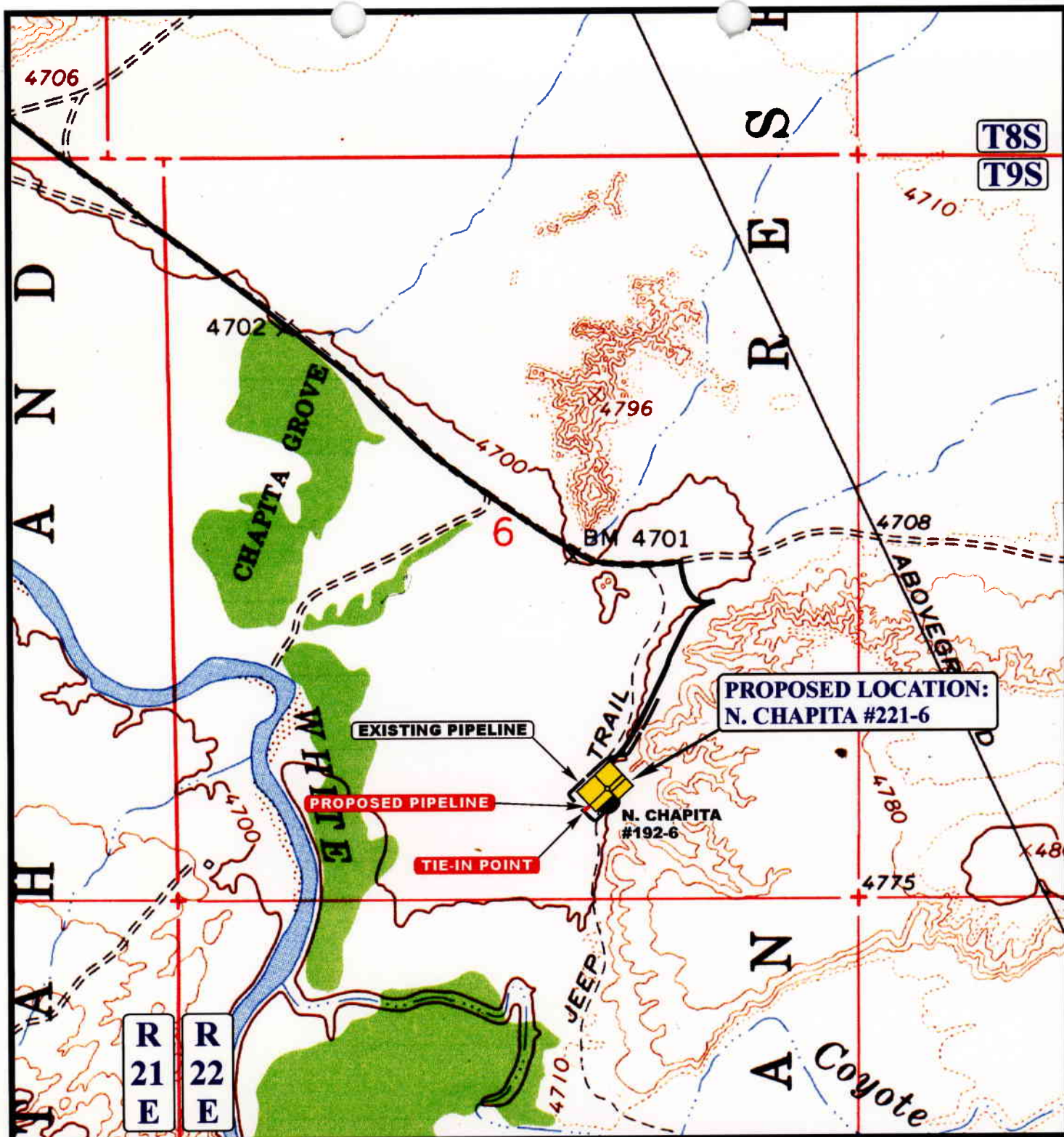
**TOPOGRAPHIC**  
**MAP**

**11 27 02**  
 MONTH DAY YEAR

SCALE: 1" = 2000' DRAWN BY: P.M. REVISED: 00-00-00







**APPROXIMATE TOTAL PIPELINE DISTANCE = 70' +/-**

**LEGEND:**

— EXISTING PIPELINE  
 - - - PROPOSED PIPELINE

**EOG RESOURCES, INC.**

**N. CHAPITA #221-6  
 SECTION 6, T9S, R22E, S.L.B.&M.  
 785' FSL 1794' FEL**



**Uintah Engineering & Land Surveying**  
 85 South 200 East Vernal, Utah 84078  
 (435) 789-1017 \* FAX (435) 789-1813



**TOPOGRAPHIC MAP** 11 27 02  
 MONTH DAY YEAR  
 SCALE: 1" = 1000' DRAWN BY: P.M. REVISED: 00-00-00



004

**WORKSHEET**  
**APPLICATION FOR PERMIT TO DRILL**

APD RECEIVED: 01/16/2003

API NO. ASSIGNED: 43-047-34873

WELL NAME: N CHAITA 221-6

OPERATOR: EOG RESOURCES INC ( N9550 )

CONTACT: ED TROTTER

PHONE NUMBER: 435-781-4120

## PROPOSED LOCATION:

SWSE 06 090S 220E

SURFACE: 0785 FSL 1794 FEL

BOTTOM: 0785 FSL 1794 FEL

UINTAH

NATURAL BUTTES ( 630 )

LEASE TYPE: 4 - Fee

LEASE NUMBER: FEE

SURFACE OWNER: 4 - Fee

PROPOSED FORMATION: BLKHK

INSPECT LOCATN BY: / /

Tech Review	Initials	Date
Engineering	DKD	2/20/03
Geology		
Surface		

LATITUDE: 40.06005

LONGITUDE: 109.47902

## RECEIVED AND/OR REVIEWED:

☒ Plat☒ Bond: Fed[] Ind[] Sta[] Fee[4](No. ~~2300~~ 1230 )☒ Potash (Y/N)☒ Oil Shale 190-5 (B) or 190-3 or 190-13☒ Water Permit

(No. 49-1501 )

☒ RDCC Review (Y/N)

(Date: )

☒ See Surf Agreements (Y/N)

## LOCATION AND SITING:

R649-2-3.

Unit

R649-3-2. General

Siting: 460 From Qtr/Qtr &amp; 920' Between Wells

R649-3-3. Exception

☒ Drilling Unit

Board Cause No: 173-14 (8/320')

Eff Date: 1-13-00

Siting: 460' fr boundary, 920' fr other wells.

R649-3-11. Directional Drill

COMMENTS:

Need Permit (02-04-03)

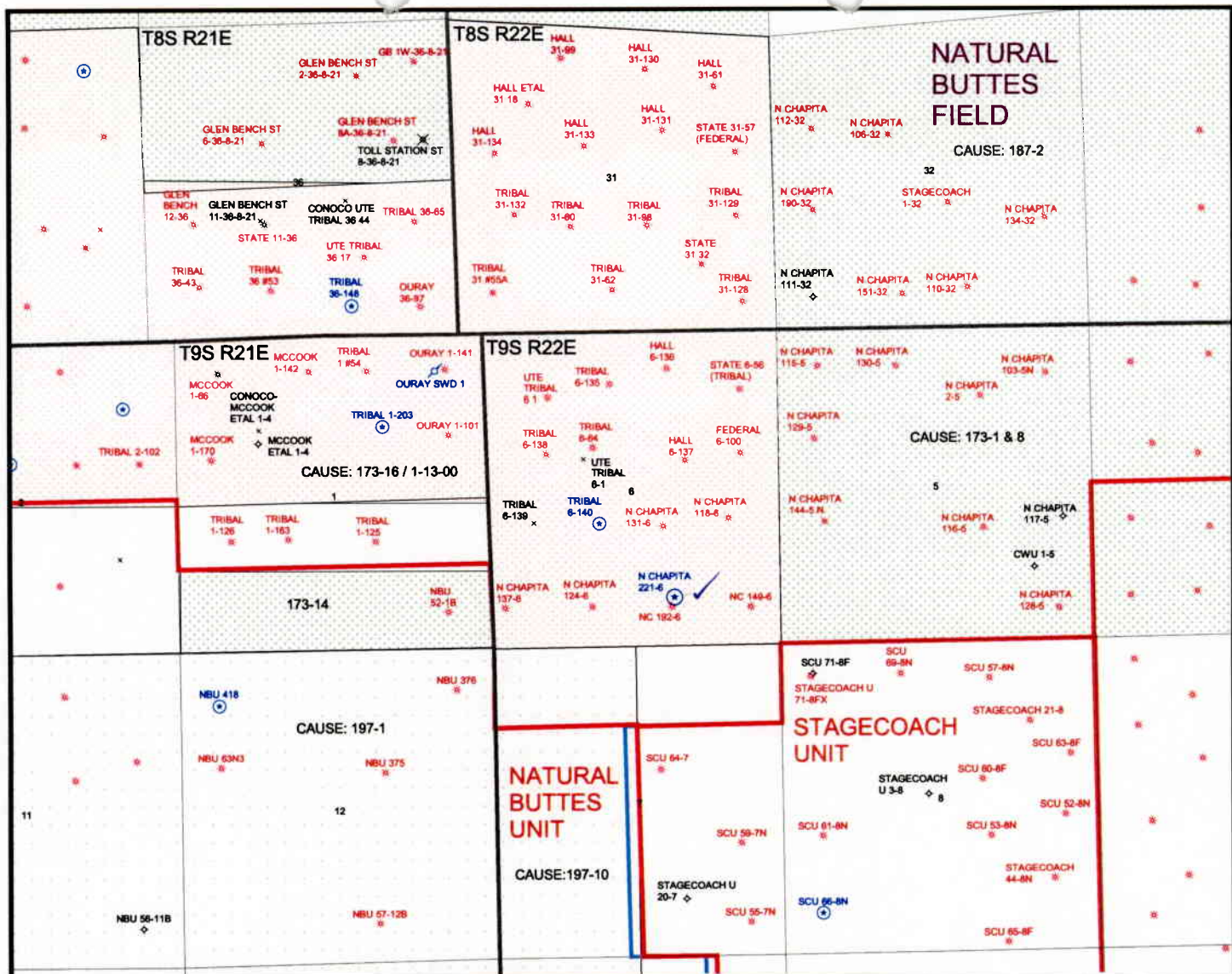
STIPULATIONS:

① Oil Shale

② Bloore line stip

3 STATEMENT OF BASIS





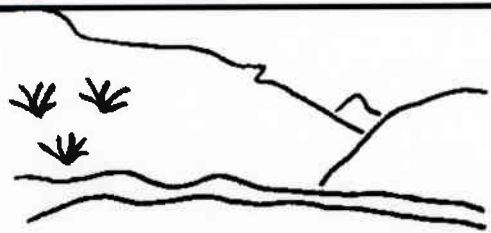
OPERATOR: EOG RESOURCES (N9550)

SEC. 6 T9S, R22E

FIELD: NATURAL BUTTES (630)

COUNTY: UTAH

CAUSE: 173-16 / 1-13-00 (8/320)



Utah Oil Gas and Mining

#### WELLS

- GAS INJECTION
- ◊ GAS STORAGE
- × LOCATION ABANDONED
- ⊙ NEW LOCATION
- ◊ PLUGGED & ABANDONED
- PRODUCING GAS
- PRODUCING OIL
- ◊ SHUT-IN GAS
- SHUT-IN OIL
- × TEMP. ABANDONED
- ◊ TEST WELL
- WATER INJECTION
- WATER SUPPLY
- WATER DISPOSAL

#### UNIT STATUS

- EXPLORATORY
- GAS STORAGE
- NF PP OIL
- NF SECONDARY
- PENDING
- PI OIL
- PP GAS
- PP GEOTHEML
- PP OIL
- SECONDARY
- TERMINATED

#### FIELD STATUS

- ABANDONED
- ACTIVE
- COMBINED
- INACTIVE
- PROPOSED
- STORAGE
- TERMINATED
- COUNTY BOUNDARY
- SECTION LINES
- TOWNSHIP LINES



PREPARED BY: DIANA MASON  
DATE: 21-JANUARY-2003

**ON-SITE PREDRILL EVALUATION**  
**Division of Oil, Gas and Mining**

**OPERATOR:** EOG RESOURCES INC.

**WELL NAME & NUMBER:** NORTH CHAPITA 221-6

**API NUMBER:** 43-047-34873

**LEASE:** FEE **FIELD/UNIT:** NATURAL BUTTES

**LOCATION:** 1/4, 1/4 SW/SE **Sec:** 6 **TWP:** 9S **RNG:** 22E 1794' **FEL** 785' **FSL**

**LEGAL WELL SITING:** 460' from unit boundary and 920' from another well.

**GPS COORD (UTM):** 12629663E 4435517N

**SURFACE OWNER:** KAY AND JEAN HAWS FAMILY TRUST.

**PARTICIPANTS**

DAVID W. HACKFORD (DOGM), ED TROTTER (EOG).

**REGIONAL/LOCAL SETTING & TOPOGRAPHY**

SITE IS ON AN EXISTING LOCATION (NORTH CHAPITA WELLS 192-6). THE PROPOSED WELL IS 124.87' DUE NORTH OF THIS EXISTING WELL. THERE IS A RELATIVELY FLAT AREA FOR 0.5 MILES TO THE WEST AND BROKEN HILLY LAND TO THE EAST. THE WHITE RIVER IS 0.6 MILES TO THE WEST. SITE IS 11.9 MILES SOUTHEAST OF OURAY, UTAH.

**SURFACE USE PLAN**

CURRENT SURFACE USE: WILDLIFE AND LIVESTOCK GRAZING, HUNTING.

PROPOSED SURFACE DISTURBANCE: LOCATION WILL BE ON AN EXISTING LOCATION AND EXISTING PIPELINE RIGHT OF WAY TO THE SOUTH. NO NEW DISTURBANCE.

LOCATION OF EXISTING WELLS WITHIN A 1 MILE RADIUS: SEE ATTACHED MAP FROM GIS DATABASE.

LOCATION OF PRODUCTION FACILITIES AND PIPELINES: NEW PRODUCTION FACILITIES WILL BE ON LOCATION AND ADDED AFTER DRILLING WELL. A GAS PIPELINE ALREADY COMES TO THIS LOCATION.

SOURCE OF CONSTRUCTION MATERIAL: ALL CONSTRUCTION MATERIAL WILL BE BORROWED FROM SITE DURING CONSTRUCTION.

ANCILLARY FACILITIES: NONE WILL BE REQUIRED.

**WASTE MANAGEMENT PLAN:**

DRILLED CUTTINGS WILL BE SETTLED INTO RESERVE PIT. LIQUIDS FROM PIT WILL BE ALLOWED TO EVAPORATE. FORMATION WATER WILL BE CONFINED TO STORAGE TANKS. SEWAGE FACILITIES, STORAGE AND DISPOSAL WILL BE HANDLED BY COMMERCIAL CONTRACTOR. TRASH WILL BE CONTAINED IN TRASH BASKETS AND HAULED TO AN APPROVED LAND FILL.

**ENVIRONMENTAL PARAMETERS**

AFFECTED FLOODPLAINS AND/OR WETLANDS: NONE

FLORA/FAUNA: SALTBRUSH, SHADSCALE, PRICKLEY PEAR, GREASEWOOD, NATIVE GRASSES: PRONGHORN, COYOTES, SONGBIRDS, RAPTORS, RODENTS, RABBITS.

SOIL TYPE AND CHARACTERISTICS: LIGHT BROWN SANDY CLAY.

EROSION/SEDIMENTATION/STABILITY: VERY LITTLE NATURAL EROSION.  
SEDIMENTATION AND STABILITY ARE NOT A PROBLEM AND LOCATION CONSTRUCTION  
SHOULDN'T CAUSE AN INCREASE IN STABILITY OR EROSION PROBLEMS.

PALEONTOLOGICAL POTENTIAL: NONE OBSERVED.

**RESERVE PIT**

CHARACTERISTICS: 147' BY 75' AND 12' DEEP.

LINER REQUIREMENTS (Site Ranking Form attached): A 12 MIL LINER WILL BE  
REQUIRED FOR RESERVE PIT.

**SURFACE RESTORATION/RECLAMATION PLAN**

AS PER LANDOWNER AGREEMENT, OR AS DIRECTED BY D.O.G.M.

SURFACE AGREEMENT: YES.

CULTURAL RESOURCES/ARCHAEOLOGY: SITE IS ON FEE SURFACE.

**OTHER OBSERVATIONS/COMMENTS**

THIS PREDRILL INVESTIGATION WAS CONDUCTED ON A COOL, SUNNY DAY WITH FOUR  
INCHES OF SNOW COVER.

**ATTACHMENTS**

PHOTOS OF THIS SITE WERE TAKEN AND PLACED ON FILE.

DAVID W. HACKFORD  
DOGM REPRESENTATIVE

2/4/03

9:15 AM

DATE/TIME

**Evaluation Ranking Criteria and Ranking Score  
For Reserve and Onsite Pit Liner Requirements**

<u>Site-Specific Factors</u>	<u>Ranking</u>	<u>Site Ranking</u>
Distance to Groundwater (feet)		
>200	0	
100 to 200	5	
75 to 100	10	
25 to 75	15	
<25 or recharge area	20	<u>5</u>
Distance to Surf. Water (feet)		
>1000	0	
300 to 1000	2	
200 to 300	10	
100 to 200	15	
< 100	20	<u>0</u>
Distance to Nearest Municipal Well (feet)		
>5280	0	
1320 to 5280	5	
500 to 1320	10	
<500	20	<u>0</u>
Distance to Other Wells (feet)		
>1320	0	
300 to 1320	10	
<300	20	<u>0</u>
Native Soil Type		
Low permeability	0	
Mod. permeability	10	
High permeability	20	<u>10</u>
Fluid Type		
Air/mist	0	
Fresh Water	5	
TDS >5000 and <10000	10	
TDS >10000 or Oil Base Mud Fluid	15	
containing significant levels of hazardous constituents	20	<u>5</u>
Drill Cuttings		
Normal Rock	0	
Salt or detrimental	10	<u>0</u>
Annual Precipitation (inches)		
<10	0	
10 to 20	5	
>20	10	<u>0</u>
Affected Populations		
<10	0	
10 to 30	6	
30 to 50	8	
>50	10	<u>0</u>
Presence of Nearby Utility Conduits		
Not Present	0	
Unknown	10	
Present	15	<u>0</u>

**Final Score**      20      (Level III Sensitivity)

Sensitivity Level I = 20 or more; total containment is required.

Sensitivity Level II = 15-19; lining is discretionary.

Sensitivity Level III = below 15; no specific lining is required.





**DIVISION OF OIL, GAS AND MINING  
APPLICATION FOR PERMIT TO DRILL  
STATEMENT OF BASIS**

**OPERATOR:** EOG RESOURCES, INC.  
**WELL NAME & NUMBER:** NORTH CHAPITA 221-6  
**API NUMBER:** 43-047-34873  
**LOCATION:** 1/4, 1/4 SW/SE Sec: 6 TWP: 9S RNG: 22E 1794' FEL 785' FSL

**Geology/Ground Water:**

EOG proposes to set 200' of surface casing at this location. The depth to the base of the moderately saline water at this location is estimated to be at a depth of 200'. A search of Division of Water Rights records shows one water well within a 10,000 foot radius of the center of section 6. This well is over a mile from the proposed location and is owned by RN Industries. Well use is listed as "other". The surface formation at this site is the Uinta Formation. The Uinta Formation is made up of interbedded shales and sandstones. The sandstones are mostly lenticular and discontinuous and should not be a significant source of useable ground water.

**Reviewer:** Brad Hill **Date:** 02/05/03

**Surface:**

The predrill investigation of the surface was performed on 2/4/03.. Surface and minerals for this well are owned by the Kay M. Haws and Jean J. Haws Family Trust. Mr. And Mrs. Haws were invited to this predrill investigation on 1/29/03. Neither attended, but I spoke with Mr. Haws on the telephone on 2/3/03. I asked him if he had any concerns regarding the construction of this location or the drilling of this well. He stated that his only concern was a rock outcropping located 0.4 miles north of this site, and asked that it not be destroyed. I relayed this request to Ed Trotter (EOG). He said that the outcropping would not be harmed in any way. This site is on an existing location. (The N. Chapita Wells 192-6) and the proposed wellbore will be 124.87' north of the existing wellbore. The reserve pit for the NCW 192-6 is still open and Mr. Trotter said it would be reclaimed at the same time the new reserve pit is being constructed. A 12 mil liner will be required for this new reserve pit.

**Reviewer:** David W. Hackford **Date:** 2/4/03

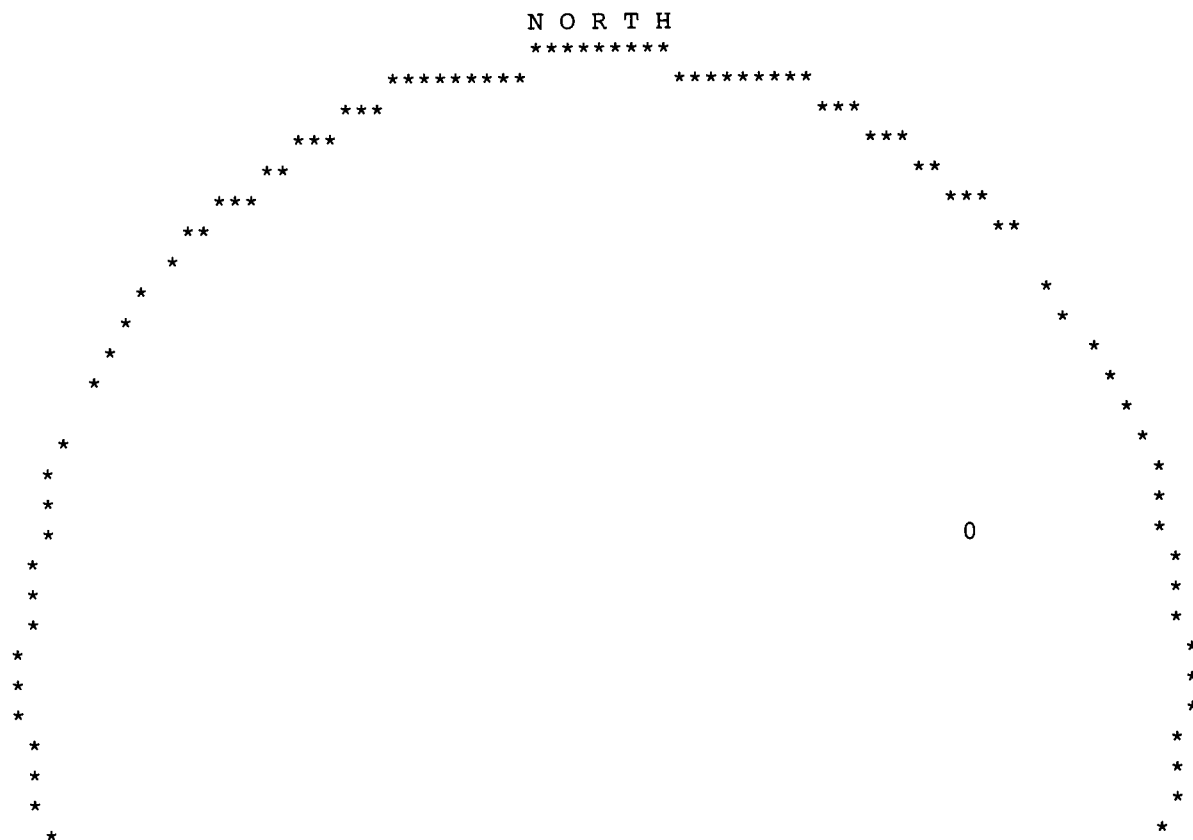
**Conditions of Approval/Application for Permit to Drill:**

1. A synthetic liner with a minimum thickness of 12 mils shall be properly installed and maintained in the reserve pit.

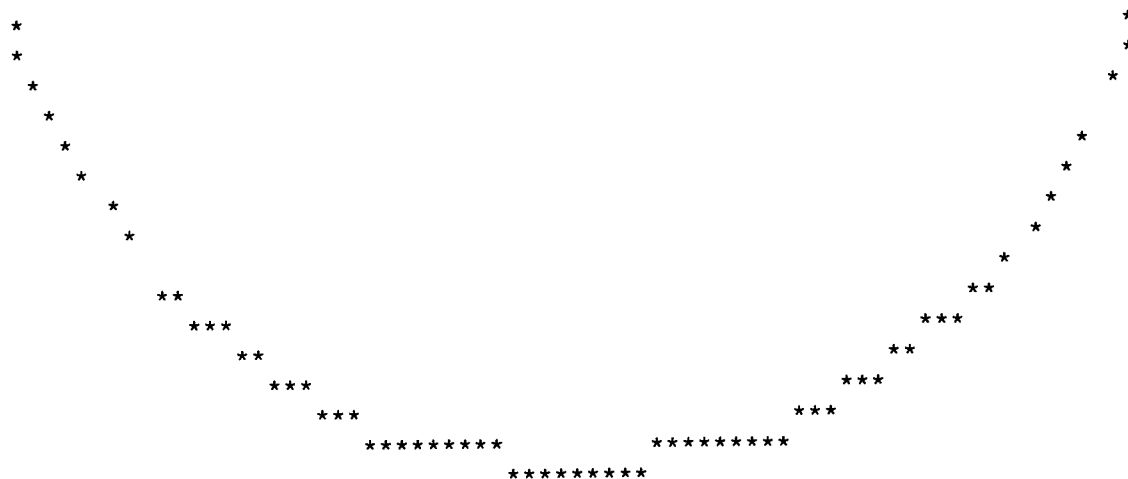
UTAH DIVISION OF WATER RIGHTS  
WATER RIGHT POINT OF DIVERSION PLOT CREATED WED, FEB 5, 2003, 8:46 AM  
PLOT SHOWS LOCATION OF 1 POINTS OF DIVERSION

PLOT OF AN AREA WITH A RADIUS OF 10000 FEET FROM A POINT  
FEET, FEET OF THE CT CORNER,  
SECTION 6 TOWNSHIP 9S RANGE 22E SL BASE AND MERIDIAN

PLOT SCALE IS APPROXIMATELY 1 INCH = 4000 FEET








---

UTAH DIVISION OF WATER RIGHTS  
NWPLAT      POINT OF DIVERSION LOCATION PROGRAM

---

MAP CHAR	WATER RIGHT	CFS	QUANTITY AND/OR	AC-FT	SOURCE DESCRIPTION or WELL INFO			POINT OF DIVERSION DESCRIPTION						
					DIAMETER	DEPTH	YEAR LOG	NORTH	EAST	CNR	SEC	TWN	RNG	B&
0	49 1645	.0700	OR	50.00	6	10	- 300	S	100	E	850	N4	5	9S 22E S
			WATER USE(S): OTHER											PRIORITY DATE: 04/10/2
			R.N. Industries				P.O. Box 98							Roosevelt

---

**FAX COVER SHEET**

FROM: ED TROTTER

FAX NO. 435-789-1420

TELEPHONE NO. 435-789-4120

TO: UDOG & MFAX NO. 801-359-3940ATTENTION: Diana MaysonDATE: 2-12-2003TOTAL NUMBER OF PAGES INCLUDING COVER PAGE: 2

All information contained in this facsimile is confidential and is solely directed to the above named recipient. If you receive this fax in error, or there is a problem with the transmission, please call: 1-435-789-4120. Thank you.

---

Diana,

Attached is a copy of the executed surface use agreement for the EOG Resources, Inc. North Chapita 221-6 well.

RECEIVED

FEB 12 2003

DIV. OF OIL, GAS &amp; MINING

## SURFACE USE AGREEMENT

### KNOW ALL MEN ABY THESE PRESENTS THAT:

In consideration of the sum of \$10.00, and other good and valuable considerations, the receipt of which is due within (10) working days of receipt of this executed agreement, I, the undersigned, hereby grant EOG RESOURCES, INC., its employees, agents and contractors, right-of-ways to construct an access road and a pipeline across the SE/4, Section 6, Township 9 South, Range 22 East, S.L.B.&M., Uintah County, Utah to service the North Chapita 221-6 well. Surface disturbance will be limited to .25 acre as this well will be constructed within the damage area of an existing well, the North Chapita 192-6.

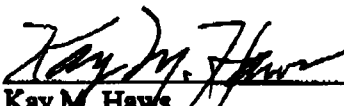
If the well is not a producer, the access road and will be reclaimed and seeded with a seed mixture common to the area.

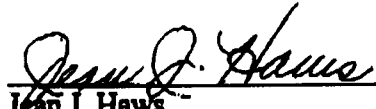
If the well is a producer, the reclamation and seeding will take place at such time as the well is abandoned.

I, the undersigned, do hereby further agree that the payment and acceptance of the consideration set forth above is full and complete satisfaction to me of any and all losses to the undersigned arising directly or indirectly in connection with the above-mentioned operation by Grantee, its employees, agents and contractors.

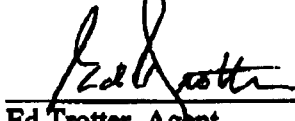
Further, I covenant that I am the recorded owner of this property and have the legal authority to enter into this agreement.

Witness the hand of said grantor this 10 day of February, 2003.

  
 Kay M. Haws  
 Trustee (or Successor Trustee) of the Kay  
 and Jean Haws Family Trust  
 318 East, 1350 North  
 Bountiful, UT 84010

  
 Jean J. Haws  
 Trustee (or Successor Trustee) of the Kay  
 and Jean Haws Family Trust  
 318 East, 1350 North  
 Bountiful, UT 84010

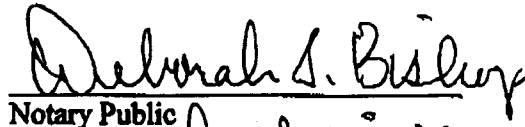
EOG RESOURCES, INC.

  
 Ed Trotter, Agent

STATE OF UTAH )  
 )  
 COUNTY OF DAVIS )  
 ) :ss

The foregoing instrument was acknowledged before me this 10 day of FEBRUARY, 2003, by Kay M. Haws and Jean J. Haws, Trustees (or Successor Trustees) of the Kay and Jean Haws Family Trust.



  
 Notary Public  
 Residing at: Centerville

My Commission Expires:

07-30-06

Well name: Operator: <b>EOG Resources</b> String type: <b>Surface</b> Location: <b>Uintah Co.</b>	<b>02-03 EOG N Chapita 221-6</b>  <div style="display: flex; justify-content: space-between;"> <span>Project ID: 43-047-34873</span> </div>
--	---

**Design parameters:**
**Collapse**

Mud weight: 8.400 ppg  
 Design is based on evacuated pipe.

**Minimum design factors:**
**Collapse:**

Design factor 1.125

**Burst:**

Design factor 1.00

**Environment:**

H2S considered? No  
 Surface temperature: 75 °F  
 Bottom hole temperature: 78 °F  
 Temperature gradient: 1.40 °F/100ft  
 Minimum section length: 200 ft

Cement top:

Surface

**Burst**

Max anticipated surface pressure: 0 psi  
 Internal gradient: 0.468 psi/ft  
 Calculated BHP 94 psi

No backup mud specified.

**Tension:**

8 Round STC: 1.80 (J)  
 8 Round LTC: 1.80 (J)  
 Buttress: 1.60 (J)  
 Premium: 1.50 (J)  
 Body yield: 1.60 (B)

Tension is based on buoyed weight.  
 Neutral point: 175 ft

Non-directional string.

**Re subsequent strings:**

Next setting depth: 2,700 ft  
 Next mud weight: 9.000 ppg  
 Next setting BHP: 1,262 psi  
 Fracture mud wt: 19.250 ppg  
 Fracture depth: 200 ft  
 Injection pressure: 200 psi

Run Seq	Segment Length (ft)	Size (in)	Nominal Weight (lbs/ft)	Grade	End Finish	True Vert Depth (ft)	Measured Depth (ft)	Drift Diameter (in)	Est. Cost (\$)
1	200	13.375	48.00	H-40	ST&C	200	200	12.59	2480

Run Seq	Collapse Load (psi)	Collapse Strength (psi)	Collapse Design Factor	Burst Load (psi)	Burst Strength (psi)	Burst Design Factor	Tension Load (kips)	Tension Strength (kips)	Tension Design Factor
1	87	740	8.48	94	1730	18.50	8.4	322	38.24 J

Prepared by: Dustin K. Doucet  
 Utah Dept. of Natural Resources

Date: February 19, 2003  
 Salt Lake City, Utah

**ENGINEERING STIPULATIONS: Oil Shale**

Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.

Collapse is based on a vertical depth of 200 ft, a mud weight of 8.4 ppg. The casing is considered to be evacuated for collapse purposes.

Burst strength is not adjusted for tension.

*Engineering responsibility for use of this design will be that of the purchaser.*

Well name: Operator: <b>EOG Resources</b> String type: <b>Intermediate</b> Location: <b>Uintah Co.</b>	<b>02-03 EOG N Chapita 221-6</b>  <div style="display: flex; justify-content: space-between;"> <span>Project ID: 43-047-34873</span> </div>
---	---

**Design parameters:**
**Collapse**

Mud weight: 9.000 ppg  
 Design is based on evacuated pipe.

**Minimum design factors:**
**Collapse:**

Design factor 1.125

**Burst:**

Design factor 1.00

**Environment:**

H2S considered? No  
 Surface temperature: 75 °F  
 Bottom hole temperature: 113 °F  
 Temperature gradient: 1.40 °F/100ft  
 Minimum section length: 375 ft

Cement top:

1,301 ft

**Burst**

Max anticipated surface pressure: 0 psi  
 Internal gradient: 0.623 psi/ft  
 Calculated BHP 1,683 psi

No backup mud specified.

**Tension:**

8 Round STC: 1.80 (J)  
 8 Round LTC: 1.80 (J)  
 Buttress: 1.60 (J)  
 Premium: 1.50 (J)  
 Body yield: 1.60 (B)

Tension is based on buoyed weight.  
 Neutral point: 2,340 ft

Non-directional string.

**Re subsequent strings:**

Next setting depth: 11,550 ft  
 Next mud weight: 12.000 ppg  
 Next setting BHP: 7,200 psi  
 Fracture mud wt: 19.250 ppg  
 Fracture depth: 2,700 ft  
 Injection pressure 2,700 psi

Run Seq	Segment Length (ft)	Size (in)	Nominal Weight (lbs/ft)	Grade	End Finish	True Vert Depth (ft)	Measured Depth (ft)	Drift Diameter (in)	Est. Cost (\$)
1	2700	9.625	36.00	J-55	ST&C	2700	2700	8.796	23469

Run Seq	Collapse Load (psi)	Collapse Strength (psi)	Collapse Design Factor	Burst Load (psi)	Burst Strength (psi)	Burst Design Factor	Tension Load (kips)	Tension Strength (kips)	Tension Design Factor
1	1262	2020	1.60	1683	3520	2.09	84.3	394	4.68 J

Prepared by: Dustin K. Doucet  
 Utah Dept. of Natural Resources

Date: February 19, 2003  
 Salt Lake City, Utah

**ENGINEERING STIPULATIONS: Oil Shale**

Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.

Collapse is based on a vertical depth of 2700 ft, a mud weight of 9 ppg The casing is considered to be evacuated for collapse purposes.

Burst strength is not adjusted for tension.

*Engineering responsibility for use of this design will be that of the purchaser.*

Well name:	<b>02-03 EOG N Chapita 221-6</b>	
Operator:	<b>EOG Resources</b>	Project ID:
String type:	<b>Production</b>	<b>43-047-34873</b>
Location:	<b>Uintah Co.</b>	

**Design parameters:**

**Collapse**

Mud weight: 12.000 ppg  
Design is based on evacuated pipe.

**Minimum design factors:**

**Collapse:**

Design factor 1.125

**Burst:**

Design factor 1.00

**Environment:**

H2S considered? No  
Surface temperature: 75 °F  
Bottom hole temperature: 237 °F  
Temperature gradient: 1.40 °F/100ft  
Minimum section length: 375 ft

Cement top: **2,503 ft**

**Burst**

Max anticipated surface pressure: 0 psi  
Internal gradient: 0.623 psi/ft  
Calculated BHP: **7,200 psi**

No backup mud specified.

**Tension:**

8 Round STC: 1.80 (J)  
8 Round LTC: 1.80 (J)  
Buttress: 1.60 (J)  
Premium: 1.50 (J)  
Body yield: 1.60 (B)

Non-directional string.

Tension is based on buoyed weight.

Neutral point: 9,478 ft

Run Seq	Segment Length (ft)	Size (in)	Nominal Weight (lbs/ft)	Grade	End Finish	True Vert Depth (ft)	Measured Depth (ft)	Drift Diameter (in)	Est. Cost (\$)
1	11550	4.5	11.60	HCP-110	LT&C	11550	11550	3.875	55648

Run Seq	Collapse Load (psi)	Collapse Strength (psi)	Collapse Design Factor	Burst Load (psi)	Burst Strength (psi)	Burst Design Factor	Tension Load (kips)	Tension Strength (kips)	Tension Design Factor
1	7200	8650	1.20	7200	10690	1.48	109.9	279	2.54 J

Prepared by: Dustin K. Doucet  
Utah Dept. of Natural Resources

Date: February 19, 2003  
Salt Lake City, Utah

**ENGINEERING STIPULATIONS: Oil Shale**

Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.

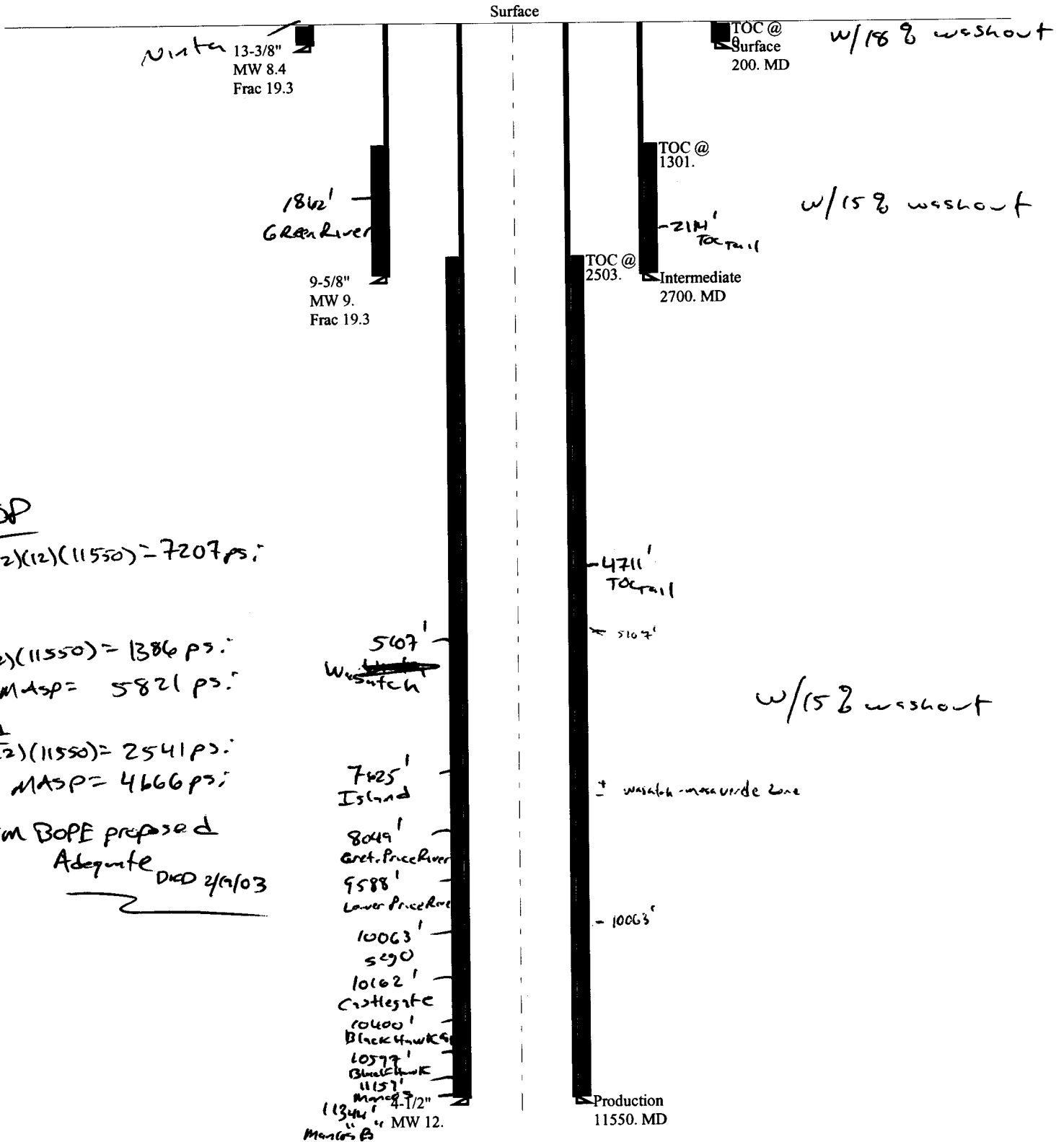
Collapse is based on a vertical depth of 11550 ft, a mud weight of 12 ppg. The casing is considered to be evacuated for collapse purposes.

Burst strength is not adjusted for tension.

*Engineering responsibility for use of this design will be that of the purchaser.*

# 02-03 EOG N Chapita 22

## Casing Schematic



BOP

$$(0.052)(12)(11550) = 7207 \text{ ps.}$$

$$\frac{\text{Gas}}{(0.12)(11550)} = 1386 \text{ ps.}$$

$$\text{MASP} = 5821 \text{ ps.}$$

$$\frac{\text{Mud}}{(0.22)(11550)} = 2541 \text{ ps.}$$

$$\text{MASP} = 4666 \text{ ps.}$$

SM BOPF proposed  
Adequate DWD 2/19/03

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
OMB No. 1004-0135  
Expires January 31, 2004

002

**SUNDRY NOTICES AND REPORTS ON WELLS**

Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.

SEE REVERSE SIDE FOR OTHER INFORMATION OR REVERSE SIDE

1. Type of Well

☐ Oil Well ☒ Gas Well ☐ Other

2. Name of Operator

**EOG RESOURCES, INC.**

3. Address and Telephone No. (435) 789-4120

**P.O. BOX 1910, VERNAL, UT 84078**

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

**785' FSL, 1794' FEL, SW/SE  
SECTION 6, T9S, R22E**

5. Lease Serial No.

**U-0282**

6. If Indian, Allottee or Tribe Name

7. If Unit or CA/Agreement, Name and/or No.

8. Well Name and No.

**NORTH CHAPITA 221-6**

9. API Well No.

**43-047-34873**

10. Field and Pool, or Exploratory Area

**MANCOS**

11. County or Parish, State

**UINTAH COUNTY, UTAH**

12 CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

TYPE OF ACTION

☒ NOTICE OF INTENT

☐ SUBSEQUENT REPORT

☐ FINAL ABANDONMENT NOTICE

☐ Acidize  
☐ Alter Casing  
☐ Casing Repair  
☒ Change Plans  
☐ Convert to Injection  
☐ Deepen

☐ Fracture Treat  
☐ New Construction  
☐ Plug and Abandon  
☐ Plug Back  
☐ Production (Start/Resume)  
☐ Reclamation

☐ Recomplete  
☐ Temporarily Abandon  
☐ Water Disposal  
☐ Water Shut-Off  
☐ Well Integrity  
☐ Other

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleat horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleat in a new interval, a form 3160-4 shall be filed once testing is completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

**EOG Resources, Inc., requests authority to drill the subject well to an estimated TD of 11,550 feet.**

**See attachments for revised drilling and casing programs and BOP diagram.**

**RECEIVED**

**FEB 14 2003**

14. I hereby certify that the foregoing is true and correct  
Name (Printed/Typed) **Ed Trotter**

Title **DIV. OF OIL, GAS & MINING  
Agent**

Signature

Date

**February 7, 2003**

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

TITLE

DATE

Conditions of approval, if any, are attached. Approval of this notice

Office

does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Instructions on reverse)



**EIGHT POINT PLAN**

**NORTH CHAPITA 221-6**

**SW/SE, SEC. 6, T9S, R22E, S.L.B.&M.**

**UINTAH COUNTY, UTAH**

**EIGHT POINT PLAN EIGHT POINT PLAN**

**1. & 2. ESTIMATED TOPS & ANTICIPATED OIL, GAS, & WATER ZONES:**

<b>FORMATION</b>	<b>DEPTH (KB)</b>
Green River	1862'
Wasatch	5107'
Island	7625'
KMV Cret. Price River	8049'
KMV Lower Price River	9588'
Sego	10063'
KMV Castlegate	10162'
Black Hawk Shale	10400'
KMV Black Hawk	10597'
Mancos	11159'
Mancos 'B'	11344'

EST. TD: 11,550

Anticipated BHP 5000 PSI

**3. PRESSURE CONTROL EQUIPMENT: BOP Schematic Diagram attached.**

**4. CASING PROGRAM:**

<b><u>HOLE SIZE</u></b>	<b><u>INTERVAL</u></b>	<b><u>LENGTH</u></b>	<b><u>SIZE</u></b>	<b><u>WEIGHT</u></b>	<b><u>GRADE</u></b>	<b><u>THREAD</u></b>	<b><u>MINIMUM SAFETY FACTOR</u></b>		
							<b><u>COLLAPSE</u></b>	<b><u>BURST</u></b>	<b><u>TENSILE</u></b>
17 1/2"	0' -200'+/- GL	200'+/-	13 3/8"	48.0 #	H-40	ST&C	770 PSI	1730 PSI	322,000#
12 1/4"	200' - 2700'+/- KB	2700' +/-	9 5/8"	36.0 #	J-55	ST&C	2020 PSI	3520 PSI	394,000#
7 7/8"	2700' - TD+/-KB	11,550'+/-	4 1/2"	11.6 #	HC P-110	LT&C	6350 PSI	7780 PSI	223,000#

If conductor drive pipe is used, it will be left in place if its total length is less than 20 feet below the surface. If the total length of the drive pipe is equal to or greater than 20 feet, it will be pulled prior to cementing surface casing, or it will be cemented in place. The minimum diameter of the conductor drive pipe will be 13 3/8".

All casing will be new or inspected.

**5. Float Equipment:**

**SURFACE HOLE PROCEDURE (0-200' Below GL):**

Guide Shoe

Wooden wiper plug

Centralizers: 1 - 5-10' above shoe, every collar for next 3 joints (4 total).

Have bottom of first collar tack-welded, guide shoe and top of first collar thread-locked.

**EIGHT POINT PLAN**  
**NORTH CHAPITA 221-6**  
**SW/SE, SEC. 6, T9S, R22E, S.L.B.&M.**  
**UINTAH COUNTY, UTAH**  
**EIGHT POINT PLAN EIGHT POINT PLAN**

**INTERMEDIATE HOLE PROCEDURE (200-2700'):**

Guide Shoe

Insert Float Collar (PDC drillable)

Cents.: 1-5' above shoe, top of jts. #2 and #3 then every 5<sup>th</sup> joint to surface. (15 total)

Have bottom of collar on jt. #1 tack-welded, thread-lock guide shoe and top of jt. #1.

**PRODUCTION HOLE PROCEDURE 2700'-TD:**

FS, 1 joint of casing, FC, and balance of casing to surface (DFFS and DFFC are ok, if preferred). Run marker collars and  $\pm 10800'$  and  $\pm 7200'$  (alter depth if needed to avoid placing across any potentially-productive intervals). Centralize 5' above shoe on joint #1, top of joint #2, then every 2nd joint to 400' above Island top (50 total). Thread lock FS, top and bottom of FC, and top of 2<sup>nd</sup> joint.

NOTE: Differential pressure rating on internal valves in float equipment is 4000 psi, Burst on float equipment body: 9625 psi, Collapse: 9900 psi.

**6. MUD PROGRAM**

**SURFACE HOLE PROCEDURE (0-200' Below GL):**

Air – Air Water Mist

**INTERMEDIATE HOLE PROCEDURE (200-2700'):**

Water (circulate through reserve pit) with Gel/LCM sweeps.

**PRODUCTION HOLE PROCEDURE 2700'-TD:**

2700'-4900' Water (circulate through reserve pit) with Gel/LCM sweeps.

4900'-7400' Close in mud system. "Mud up" with 6 ppb Diammonium Phosphate (DAP). Drill with DAP water, POLYPLUS for viscosity and hole cleaning, adding KLA-GARD B for supplemental inhibition. Also sweep hole periodically w/ Durogel / LCM sweeps to clean the hole and seal loss zones. Add additional LCM as hole dictates. Mud weight and vis as needed, water loss – no control.

7400'-TD Discontinue KLA-GARD B. Utilize POLYPAC-R for fluid loss control. Maintain 6 ppb DAP. **Do not mix caustic or lime.** Maintain 7.5-8.5 pH. Weight up system and add vis as hole conditions require. Run LCM sweep periodically to seal off loss zones or more often as hole dictates. Water loss: 10-12 cc's. Expect increasing gas shows requiring heavier mud weights from top of Island onward. Treat CO<sub>2</sub> contamination with DESCO CF and OSIL (Oxygen scavenger).

**EIGHT POINT PLAN**  
**NORTH CHAPITA 221-6**  
**SW/SE, SEC. 6, T9S, R22E, S.L.B.&M.**  
**UINTAH COUNTY, UTAH**  
**EIGHT POINT PLAN EIGHT POINT PLAN**

**7. VARIANCE REQUESTS:**

- A. EOG Resources, Inc. requests a variance to regulations requiring a straight run blooie line (Where possible, a straight run blooie line will be used).
- B. EOG Resources, Inc. requests a variance to regulations requiring an automatic ignitor or continuous pilot light on the blooie line. (Not required on aerated water system).
- B. EOG Resources, Inc. requests a variance to regulations requiring the blooie line to be 100' in length. To reduce location excavation, the blooie line will be 75' in length.

**8. EVALUATION PROGRAM:**

Logs: Schlumberger Platform Express TD – Surface Casing, with Di-pole Sonic from TD to surface in 1 run.

Completion: To be submitted at a later date.

**9. CEMENT PROGRAM:**

**SURFACE HOLE PROCEDURE (0-200' Below GL):**

**Lead:** 240 sx. (100% excess volume) Class 'G' cement with 2% S1 (CaCl<sub>2</sub>) & 0.25 pps D29 (cellophane flakes), mixed at 15.8 ppg, 1.15 cu. ft./sk., 4.95 gps water.

**Top Out:** Top out with Class 'G' cement with 2% S1 (CaCl<sub>2</sub>) in mix water, 15.8 ppg, 1.15 cu. ft./sk., 4.95 gps via 1" tubing set at 25' if needed.

**INTERMEDIATE HOLE PROCEDURE (200-2700'):**

**Lead:** 120 sx. (50% excess volume) Class 'G' lead cement (coverage from 2000-1000') with 5% D44 (Salt), 12% D20 (Bentonite), 1% D79% (Extender), 0.25% D112 (Fluid Loss Additive), 0.2% D46 (Anti-Foamer) & 0.25 pps D29 (Cellophane flakes) mixed at 11.0 ppg, 3.91 ft<sup>3</sup>/sk., 24.5 gps water.

**Tail:** 210 sx. (50% excess volume) Class 'G' cement (coverage from 2700-2000') with 10% D53 (Gypsum), 2% S1 (CaCl<sub>2</sub>) & 0.25 pps D29 (Cellophane flakes) mixed at 14.2 ppg, 1.61 ft<sup>3</sup>/sk., 7.9 gps water.

Bump plug with fresh water. Do not pump over ½ of shoe volume past calculated displacement. Note and record final lift pressure and plug bump pressure.

## EIGHT POINT PLAN

### NORTH CHAPITA 221-6 SW/SE, SEC. 6, T9S, R22E, S.L.B.&M. UINTAH COUNTY, UTAH EIGHT POINT PLAN EIGHT POINT PLAN

#### PRODUCTION HOLE PROCEDURE 2700'-TD:

**Test proposed slurry with actual mix water in advance (Schlumberger).**

Use openhole log caliper volume **plus 10% excess on lead slurry and 5% excess on tail slurry** to calculate cement volumes. Attempt to bring lead cement 200' into base of intermediate casing and tail cement to 400' above top of Wasatch. Reciprocate pipe  $\pm 45'$  while conditioning hole and cementing (unless well has had problems with lost circulation). Utilize all available pump rate and thin mud to below 40 vis prior to cementing. Set on bottom if it starts getting sticky. Bump plug 1000 psi over FPP (not to exceed 6000 psi) with fresh water. Utilize top plug only.

**Lead:** 35:65 Poz G w/ 4% D20 (Bentonite), 2% D174 (Extender), 0.2% D65 (Dispersant), 0.2% D46 (Antifoamer), 0.75% D112 (Fluid Loss Additive), 0.15% D13 (Retarder), 0.25 pps D29 (celloflakes), mixed at 13.0 ppg, 1.73 cu. ft./sk., 9.06 gps water.

$\pm 430 \text{ sk}$

**Tail:** 50:50 Poz G w/ 2% D20 (Bentonite), 0.1% D46 (Antifoamer), 0.15% D13 (Retarder), 0.2% D167 (Fluid Loss Additive), 0.2% D65 (Dispersant), mixed at 14.1 ppg, 1.28 cu. ft./sk., 5.9 gps water.

$\pm 1800 \text{ sk}$

#### **10. ABNORMAL CONDITIONS:**

##### INTERMEDIATE HOLE PROCEDURE (200-2700')

**Potential Problems:** Probable lost circulation below 1850' and minor amounts of gas will be present. Monitor for and report any hydrocarbon shows and/or water zones.

##### PRODUCTION HOLE PROCEDURE 2700'-TD

**Potential Problems:** Research indicates that mud losses are possible throughout all of the 7-7/8" hole, especially when weights exceed 10.8 ppg. Have a variety of LCM particle sizes on location in ample supplies to cover your needs. At the same time, formation pressures in productive zones could require up to 12.0 ppg mud weights to control. Sloughing shales and keyseat development are possible in the Wasatch Formation. CO2 contamination in the mud is possible in Price River (Mesaverde).

#### **11. STANDARD REQUIRED EQUIPMENT:**

- A. Choke Manifold
- B. Kelly Cock
- C. Stabbing Valve
- D. Visual Mud Monitoring

**EIGHT POINT PLAN**  
**NORTH CHAPITA 221-6**  
**SW/SE, SEC. 6, T9S, R22E, S.L.B.&M.**  
**UINTAH COUNTY, UTAH**  
**EIGHT POINT PLAN EIGHT POINT PLAN**

**12. HAZARDOUS CHEMICALS:**

No chemicals subject to reporting under SARA title III in an amount equal to or greater than 10,000 pounds will be used, produced, stored, transported, or disposed of annually in association with the drilling of this well. Furthermore, no extremely hazardous substances, as defined in 40 CFR 355, in threshold planning quantities, will be used, produced, stored, transported, or disposed of in association with the drilling of this well.

(Attachment: BOP Schematic Diagram)



State of Utah  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

1594 West North Temple, Suite 1210  
PO Box 145801  
Salt Lake City, Utah 84114-5801  
(801) 538-5340 telephone  
(801) 359-3940 fax  
(801) 538-7223 TTY  
www.nr.utah.gov

Michael O. Leavitt  
Governor  
Robert L. Morgan  
Executive Director  
Lowell P. Braxton  
Division Director

February 20, 2003

EOG Resources Inc.  
PO Box 1910  
Vernal UT 84078

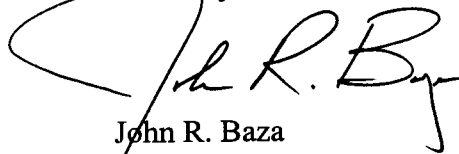
Re: North Chapita 221-6 Well, 785' FSL, 1794' FEL, SW SE, Sec. 6, T. 9 South, R. 22 East,  
Uintah County, Utah

Gentlemen:

Pursuant to the provisions and requirements of Utah Code Ann. § 40-6-1 *et seq.*, Utah Administrative Code R649-3-1 *et seq.*, and the attached Conditions of Approval, approval to drill the referenced well is granted.

This approval shall expire one year from the above date unless substantial and continuous operation is underway, or a request for extension is made prior to the expiration date. The API identification number assigned to this well is 43-047-34873.

Sincerely,



John R. Baza  
Associate Director

er  
Enclosures  
cc: Uintah County Assessor

**Operator:** EOG Resources Inc.  
**Well Name & Number** North Chapita 221-6  
**API Number:** 43-047-34873  
**Lease:** FEE

**Location:** SW SE      **Sec.** 6      **T.** 9 South      **R.** 22 East

### Conditions of Approval

#### 1. General

Compliance with the requirements of Utah Admin. R. 649-1 *et seq.*, the Oil and Gas Conservation General Rules, and the applicable terms and provisions of the approved Application for permit to drill.

#### 2. Notification Requirements

The operator is required to notify the Division of Oil, Gas and Mining of the following actions during drilling of this well:

- 24 hours prior to cementing or testing casing
- 24 hours prior to testing blowout prevention equipment
- 24 hours prior to spudding the well
- within 24 hours of any emergency changes made to the approved drilling program
- prior to commencing operations to plug and abandon the well

The following are Division of Oil, Gas and Mining contacts and their work telephone numbers (please leave a voice mail message if the person is not available to take the call):

- Dan Jarvis at (801) 538-5338
- Carol Daniels at (801) 538-5284 (spud)

#### 3. Reporting Requirements

All required reports, forms and submittals will be promptly filed with the Division, including but not limited to the Entity Action Form (Form 6), Report of Water Encountered During Drilling (Form 7), Weekly Progress Reports for drilling and completion operations, and Sundry Notices and Reports on Wells requesting approval of change of plans or other operational actions.

#### 4. Compliance with the Conditions of Approval/Application for Permit to Drill outlined in the Statement of Basis. (Copy Attached)

#### 5. In accordance with Order in Cause No. 190-5(b) dated October 28, 1982, the Operator shall comply with requirements of Rules R649-3-31 and R649-3-27 pertaining to Designated Oil Shale Areas. Additionally, the operator shall ensure that the surface and/or production casing is properly cemented over the entire oil shale interval as defined by Rule R649-3-31. The Operator shall report the actual depth the oil shale is encountered to the Division.

#### 6. Proposed blooie line configuration should meet Utah Occupational Safety & Health Division requirements. Contact them at (801) 530-6901.

**DIVISION OF OIL, GAS AND MINING****SPUDDING INFORMATION**Name of Company: EOG RESOURCS INCWell Name: N CHAPITA 221-6Api No: 43-047-34873 Lease Type: FEESection 06 Township 09S Range 22E County UINTAHDrilling Contractor DALL COOK'S RIG# AIR**SPUDDED:**Date 04/22/03Time 7:00 AMHow ROTARY**Drilling will commence:** \_\_\_\_\_Reported by ED TROTTERTelephone # 1-435-789-4120Date 04/22/2003 Signed: CHD



007

DIVISION OF OIL, GAS AND MINING

OPERATOR: EOG Resources, Inc.  
 ADDRESS: P.O. BOX 250  
 BIG PINEY, WYOMING 83113

OPERATOR ACCT. NO. N 9550  
 FAX: JIM THOMPSON  
 (801) 359-3940

ENTITY ACTION FORM - FORM 6

ACTION CODE	CURRENT ENTITY NO.	NEW ENTITY NO.	API NUMBER	WELL NAME	LOCATION				COUNTY	SPUD DATE	EFFECTIVE DATE
					QQ	SEC.	TP	RG			
ACTION	99999	13764	43-047-34873	NORTH CHAPITA 221-6	SWSE	6	9S	22E	UINTAH	4/22/2003	4/30/03
CONFIDENTIAL											

## ACTIONS CODES (See instructions on back of form)

- A - Establish new entity for new well (single well only)
- B - Add new well to existing entity (group or unit well)
- C - Re-assign well from one existing entity to another existing entity
- D - Re-assign well from one existing entity to a new entity
- E - Other (explain in comments section)

NOTE: Use COMMENT section to explain why each Action Code was selected.

*John Carlos*  
 Signature  
 Regulatory Analyst  
 Title  
 Date  
 4/25/2003  
 Phone No. (307) 276-4842

(3/89)

RECEIVED

APR 24 2003

DIV. OF OIL, GAS &amp; MINING

F-564 P. 01/01 T-844

307276335

Form-EOG - BIG PINEY, WY.

Apr-25-03 10:40am

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
OMB NO. 1004-0135  
Expires: November 30, 2000

008

**SUNDRY NOTICES AND REPORTS ON WELLS**  
*Do not use this form for proposals to drill or to re-enter an abandoned well. Use form 3160-3 (APD) for such proposals.*

**SUBMIT IN TRIPLICATE - Other instructions on reverse side.**

5. Lease Serial No.  
FEE
6. If Indian, Allottee or Tribe Name
7. If Unit or CA/Agreement, Name and/or No.
8. Well Name and No.  
NORTH CHAPITA 221-6
9. API Well No.  
43-047-34873
10. Field and Pool, or Exploratory  
CHAPITA WELLS/MESAVERDE
11. County or Parish, and State  
UINTAH COUNTY, UT

1. Type of Well  
☐ Oil Well ☒ Gas Well ☐ Other

CONFIDENTIAL

2. Name of Operator  
EOG RESOURCES, INC.

Contact: KATY CARLSON  
E-Mail: Kathleen\_Carlson@EOGResources.com

3a. Address  
P.O. BOX 250  
BIG PINEY, WY 83113

3b. Phone No. (include area code)  
Ph: 307.276.4842

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
Sec 6 T9S R22E SWSE 758FSL 1794FEL

**12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA**

TYPE OF SUBMISSION	TYPE OF ACTION			
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other Well Spud
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleat horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleat in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

EOG Resources, Inc. spud 12-1/4" surface hole at the subject location 4/22/2003. The contractor was Dall Cook's Air Drilling. Ed Forsman of the Vernal BLM office and Carol Daniels of the Utah Division of Oil, Gas & Mining were notified of spud 4/22/2003.

RECEIVED

APR 29 2003

DIV OF OIL, GAS & MINING

14. I hereby certify that the foregoing is true and correct.

**Electronic Submission #21078 verified by the BLM Well Information System  
For EOG RESOURCES, INC., will be sent to the Vernal**

Name (Printed/Typed) KATY CARLSON

Title REGULATORY ANALYST

Signature

(Electronic Submission)

*Katy Carlson*

Date 04/25/2003

**THIS SPACE FOR FEDERAL OR STATE OFFICE USE**

Approved By

Title

Date

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Office

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

**\*\* DRAFT \*\* DRAFT \*\* DRAFT \*\* DRAFT \*\* DRAFT \*\* DRAFT \*\* DRAFT \*\***

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
OMB NO. 1004-0135  
Expires: November 30, 2000

009

**SUNDRY NOTICES AND REPORTS ON WELLS**  
*Do not use this form for proposals to drill or to re-enter an abandoned well. Use form 3160-3 (APD) for such proposals.*

**SUBMIT IN TRIPLICATE - Other instructions on reverse side.**

1. Type of Well <input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other		5. Lease Serial No. FEE
2. Name of Operator EOG RESOURCES, INC.		6. If Indian, Allottee or Tribe Name
3a. Address P.O. BOX 250 BIG PINEY, WY 83113		7. If Unit or CA/Agreement, Name and/or No.
3b. Phone No. (include area code) Ph: 307.276.4842 Fx: 307.276.4842		8. Well Name and No. NORTH CHAPITA 221-6
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) Sec 6 T9S R22E SWSE <sup>785</sup> 758 FSL 1794FEL		9. API Well No. 43-047-34873
		10. Field and Pool, or Exploratory NORTH CHAPITA/MESAVERDE
		11. County or Parish, and State UINTAH COUNTY, UT

**12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA**

TYPE OF SUBMISSION	TYPE OF ACTION				
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off	
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity	
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other	
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	Well Spud	
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal		

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleat horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleat in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)


**AMENDED**

EOG Resources, Inc. spud 17-1/2" surface hole at the subject location 4/22/2003. The contractor was Dall Cook's Air Drilling. Ed Forsman of the Vernal BLM office and Carol Daniels of the Utah Division of Oil, Gas & Mining were notified of spud 4/22/2003.

**RECEIVED**

**MAY 16 2003**

DIV. OF OIL, GAS & MINING

14. I hereby certify that the foregoing is true and correct. <b>Electronic Submission #21850 verified by the BLM Well Information System For EOG RESOURCES, INC., will be sent to the Vernal</b>	
Name (Printed/Typed) KATY CARLSON	Title REGULATORY ANALYST
Signature (Electronic Submission) 	Date 05/14/2003

**THIS SPACE FOR FEDERAL OR STATE OFFICE USE**

Approved By _____	Title _____	Date _____
Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.		
Office _____		

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

**\*\* DRAFT \*\* DRAFT \*\* DRAFT \*\* DRAFT \*\* DRAFT \*\* DRAFT \*\* DRAFT \*\***

(December 1989)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

010

## SUNDRY NOTICE AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.

Use "APPLICATION FOR PERMIT --" for such proposals

SUBMIT IN TRIPLICATE

FORM APPROVED

Budget au No. 1004-0135

Expires September 30, 1990

5. Lease Designation and Serial No.

FEE

6. If Indian, Allottee or Tribe Name

7. If Unit or C.A., Agreement Designation

8. Well Name and No.

NORTH CHAPITA WELLS 221-6

9. API Well No.

43-047-34873

10. Field and Pool or Exploratory Area

NORTH CHAPITA/MESAVERDE

11. County

State

UINTAH,

UTAH

1. Type of Well

Oil

Gas

☐

WELL

☒

Well

☐

Other

CONFIDENTIAL

2. Name of Operator

EOG Resources, Inc.

3. Address and Telephone No.

P.O. BOX 250, BIG PINEY, WY 83113

(307) 276-3331

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

785' FSL - 1794' FEL (SW/SE)

SECTION 6, T9S, R22E

12. CHECK APPROPRIATE BOX(S) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

TYPE OF ACTION

☒

NOTICE OF INTENT

☐

SUBSEQUENT REPORT

☐

FINAL ABANDONMENT NOTICE

☐

ABANDONMENT

☐

RECOMPLETION

☐

PLUGGING BACK

☐

CASING REPAIR

☒

ALTERING CASING

☐

OTHER

☐

CHANGE OF PLANS

☐

NEW CONSTRUCTION

☐

NON-ROUTINE FRACTURING

☐

WATER SHUT-OFF

☐

CONVERSION TO INJECTION

DISPOSAL OF PRODUCED WATER

(Note: Report results of multiple completion on Well Completions  
or Recompletion Report and Log Form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details and give pertinent dates, including estimated date of starting any proposed work if well is directionally drilled give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work).

EOG Resources, Inc. requests authorization for disposal of produced water from the referenced well to any of the following locations.

1. Natural Buttes Unit 21-20B SWD.

2. Ace Disposal

3. EOG Resources, Inc. drilling operations (Chapita Wells Unit, Natural Buttes Unit &amp; Stagecoach Unit).

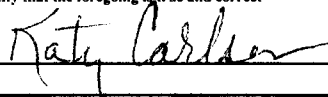
4. RN Industries.

Accepted by the  
Utah Division of  
Oil, Gas and Mining  
FOR RECORD ONLYRECEIVED  
JUL 21 2003  
DIV. OF OIL, GAS & MINING

\*NOTE: EOG Resources, Inc. will be using Nationwide Bond #NM 2308

14. I hereby certify that the foregoing is true and correct

SIGNED



TITLE

Regulatory Analyst

DATE 7/17/2003

(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

011 UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

WELL COMPLETION OR RECOMPLETION REPORT AND LOG\*

1. TYPE OF WELL: a. TYPE OF COMPLETION: NEW WELL <input checked="" type="checkbox"/> WORK OVER <input type="checkbox"/> DEEPEN <input type="checkbox"/> PLUG BACK <input type="checkbox"/> DIFF. RES. <input type="checkbox"/> OTHER <input type="checkbox"/> b. TYPE OF WELL: OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> DRY <input type="checkbox"/> OTHER <input type="checkbox"/>		2. NAME OF OPERATOR EOG Resources, Inc.		3. ADDRESS OF OPERATOR P.O. BOX 250 BIG PINEY, WYOMING 83143		4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)* At surface 785' FSL - 1794' FEL (SW/SE) At top prod. interval reported below SAME At total depth SAME		5. LEASE DESIGNATION AND SERIAL NO. FEE		6. IF INDIAN, ALLOTTEE OR TRIBE NAME		7. UNIT AGREEMENT NAME		8. FARM OR LEASE NAME NORTH CHAPITA WELLS		9. WELL NO. 221-6		10. FIELD AND POOL, OR WILDCAT NORTH CHAPITA/MESAVERDE		11. SEC. T. R. M. OR BLOCK AND SURVEY SECTION 6, T9S, R22E		12. COUNTY OR PARISH UINTAH, UTAH		13. STATE UTAH		14. PERMIT NO. 43-047-34873		DATE PERMIT ISSUED	
15. DATE SPUDDED 4/22/2003		16. DATE T.D. REACHED 6/02/2003		17. DATE COMPL. (Ready to prod.) 7/01/2003		18. ELEVATIONS (DF, RKB, RT, GR, ETC.) 4714' KB		19. ELEV. CASINGHEAD 4702' PREP. GL.		20. TOTAL DEPTH, MD & TVD 11,505		21. PLUG, BACK T.D., MD & TVD 11,457'		22. IF MULTIPLE COMPLETIONS, HOW MANY? 1		23. ROTARY TOOLS ROTARY		24. PRODUCING INTERVAL(S), OF THIS COMPLETION* TOP, BOTTOM, NAME (MD AND TVD)* MESAVERDE 9,467' - 10,768'		25. WAS DIRECTIONAL SURVEY MADE? NO		26. TYPE ELECTRIC AND OTHER LOGS RUN RST & CBL/VDL/GR/CCL		27. WAS WELL CORED? NO					

CASING RECORD (Report all strings set in well)

CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
13-3/8"	48# H-40	233'	17-1/2"	240 sx Class "G" cement.	NONE
9-5/8"	36# K-55	2,694'	12-1/4"	120 sx Hi-Lift & 210sx 10/2 RFC	NONE
4-1/2"	11.6# HC-P110	11,500'	7-7/8"	460 SX 35/65 Pozmix & 1855 sx 50/50 Pozmix	

29. LINER RECORD					30. TUBING RECORD		
SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
					2-3/8"	10,805'	

31. PERFORATION RECORD (Interval, size and number)				32. ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC.	
Mesaverde				DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
Blackhawk	10,633-36', 10,643-45', 10,654-56', 10,695-98', w/2 SPF			10,633-10,768'	53,857 gals gelled water & 190,454# 20/40 sand.
	10,754-56' & 10,767-68'			9,812-10,007'	52,482 gals gelled water & 181,368# 20/40 sand.
Lower Price	9,812-14', 9,823-24', 9,835-37', 9,845-47', 9,88- w/2 SPF			9,467-9,718'	54,695 gals gelled water & 196,403# 20/40 sand.
River	9,973-75', 9,998-10,000' & 10,006-07'				
	9,467-68', 9,488-91', 9,501-02', 9,568-69', 9,57- w/2 SPF				
	9,600-01', 9,608-09', 9,619-20', 9,642-43' & 9,716-18'				

PRODUCTION

33.* DATE FIRST PRODUCTION 7/01/2003		PRODUCTION METHOD (Flowing, gas lift, pumping size and type of pump) FLOWING				WELL STATUS (Producing or shut-in) PRODUCING	
DATE OF TEST 7/16/2003	HOURS TESTED 24	CHOKE SIZE 12/64"	PROD'N FOR 18 BC	OIL-BBL. 728 MCFD	GAS-MCF. 80 BW	WATER-BBL. 80 BW	GAS-OIL RATIO
FLOW TUBING PRESS. 1300	CASING PRESSURE 1750	CALCULATED	OIL-BBL. 18 BC	GAS-MCF. 728 MCFD	WATER-BBL. 80 BW	OIL GRAVITY-API (CORR.)	
34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) SOLD						TEST WITNESSED BY JAY ORR	
35. LIST OF ATTACHMENTS							

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records.

SIGNED Ruby Carlson TITLE Regulatory Analyst **RECEIVED** 7/17/2003

\*(See Instructions and Spaces for Additional Data on Reverse Side)

JUL 21 2003

DIV. OF OIL, GAS & MINING

# INSTRUCTIONS

**General:** This form is designed for submitting a complete and correct well completion report and log on all types of lands and leases to either a Federal agency or a State agency, or both, pursuant to applicable Federal and/or State laws and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local, area, or regional procedures and practices, either are shown below or will be issued by, or may be obtained from, the local Federal and/or State office. See instructions on Items 22 and 24, and 33, below regarding separate reports for separate completions.

**Item 4:** If there are no applicable State requirements, locations on Federal or Indian land should be described in accordance with Federal requirements. Consult local State or Federal office for specific instructions.

**Item 18:** Indicate which elevation is used as reference (where not otherwise shown) for depth measurements given in other spaces on this form and in any attachments.

**Items 22 and 24:** If this well is completed for separate production from more than one interval zone (multiple completion), so state in item 22, and in item 24 show the producing interval, or intervals, top(s), bottom(s) and name(s) (if any) for only the interval reported in item 33. Submit a separate report (page) on this form, adequately identified, for each additional interval to be separately produced, showing the additional data pertinent to such interval.

**Item 29:** *None*. Attached supplemental records for this well should show the details of any multiple stage cementing and the location of the cementing tool.

**Item 33:** Submit a separate completion report on this form for each interval to be separately produced. (See instruction for Items 22 and 24 above.)

## PRIVACY ACT

The Privacy Act of 1974 and the regulation in 43 CFR 2.48(d) provide that you be furnished the following information in connection with information required by its application.

**AUTHORITY:** 30 U.S.C. 181 et. seq., 25 U.S.C. et. seq., 43 CFR 3160

**PRINCIPLE PURPOSE:** The information is to be used to evaluate the actual operations performed in the drilling of an oil or gas well on a Federal or Indian lease.

**ROUTINE USES:** (1) Evaluate the equipment and procedures used during the drilling of the well. (2) The review of geologic zones and formation encountered during drilling. (3) Analyze future applications to drill in light of data obtained and methods used. (4)(5) Information from the record and/or the record will be transferred to appropriate Federal, State, local or foreign agencies, when relevant to civil, criminal or regulatory investigations or prosecutions.

**EFFECT OF NOT PROVIDING INFORMATION:** Filing of this report and disclosure of hte information is mandatory once an oil or gas well is drilled.

The Paperwork Reduction Act of 1980 (44 U.S.C. 3501, et. seq.) requires us to inform you that:

This information is being collected to allow evaluation of the technical, safety, and environmental factors involved with drilling and producing oil and gas on Federal and Indian oil and gas leases.

This information will be used to analyze operations and compare equipment and procedures actually used with the proposals applied for.

Response to this request is mandatory once an oil or gas well is drilled.

SUMMARY OF POROUS ZONES: (Show all important zones of porosity and contents thereof; core intervals; and all annu-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures, and recoveries):				38.	GEOLOGIC MARKERS		
FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.		TOP		
					NAME	MEAS. DEPTH	TRUE VERT. DEPTH
Green River	1,862'	5,107'	Shale		Wasatch	5,100'	
Wasatch	5,107'	7,625'	Sandstone		North Horn	7,054'	
Island	7,625'	8,049'	Sandstone		Island	7,669'	
KMV Price River	8,049'	9,588'	Sandstone		Mesaverde	8,052'	
Price River Lower	9,588'	10,063'	Sandstone		Middle Price River	8,753'	
Sego	10,063'	10,162'	Sandstone		Lower Price River	9,562'	
KMV Castlegate	10,162'	10,597'	Sandstone		Sego	10,034'	
KMV Blackhawk	10,597'	11,159'	Sandstone		Castlegate	10,402'	
Mancos	11,159'	11,344'	Shale		Blackhawk	10,554'	
Mancos "B"	11,344'	11,550'	Sandstone				

**STATE OF UTAH**  
**DIVISION OF OIL, GAS & MINING**

**SUNDRY NOTICES AND REPORTS OF WELLS**

CONFIDENTIAL

Do not use this form for proposals to drill new wells, or to reenter plugged and abandoned wells.

Use **APPLICATION FOR PERMIT TO DRILL OR DEEPEN** form for such proposals

1. Type of Well: Oil <input type="checkbox"/> Gas <input checked="" type="checkbox"/> Other <input type="checkbox"/>	5. Lease Designation and Serial Number: <b>FEE</b>
2. Name of Operator: <b>EOG RESOURCES, INC.</b>	6. If Indian, Allottee or Tribe Name:
3. Address and Telephone Number: <b>P.O. BOX 250 (307) 276-3331 BIG PINEY, WYOMING 83113</b>	7. Unit Agreement Name:
4. Location of Well Footage's: <b>785' FSL - 1794' FEL (SW/SE)</b> QQ, Sec., T., R., M.: <b>SECTION 6, T9S, R22E</b>	8. Well Name and Number: <b>NORTH CHAPITA 221-6</b>
	9. API Well Number: <b>43-047-34873</b>
	10. Field and Pool, or Wildcat: <b>NORTH CHAPITA/MESAVERDE</b>
	County: <b>UNITAH</b> State: <b>UTAH</b>

**11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA**

NOTICE OF INTENT (Submit in Duplicate)	SUBSEQUENT REPORT (Submit Original Form Only)
<input type="checkbox"/> Abandonment	<input type="checkbox"/> Abandonment
<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction
<input type="checkbox"/> Change of Plans (Gas)	<input type="checkbox"/> Full or Alter Casing
<input type="checkbox"/> Conversion to Injection	<input type="checkbox"/> Plug or Acidize
<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Vent or Flare
<input type="checkbox"/> Multiple Completion	<input type="checkbox"/> Water Shut-Off
<input type="checkbox"/> Other	<input checked="" type="checkbox"/> Other
Approximate date work will start _____	Date of work completion _____
	COMPLETIONS OR RECOMPLETIONS AND LOG form 8
	* Must be accompanied by a cement verification report.

12. Describe proposed or completed operations (Clearly state all details, and give pertinent dates. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.

EOG Resources, Inc. continued the completion of the subject as follows:

1. Perforated Middle Price River from 9160-61', 9186-87', 9213-14', 9228-30', 9246-47', 9264-66', 9287-88', 9362-63' & 9426-27'. Fracture stimulated w/50,742 gals gelled water & 171,196# 20/40 sand.
2. Perforated Middle Price River from 8884-85', 8917-19', 8948-49', 8965-67', 9027-28', 9040-41', 9059-60', 9070-71', 9083-84' & 9100-02'. Fracture stimulated w/54,553 gals gelled water & 192,585# 20/40 sand.
3. Perforated Upper Middle Price River from 8608-09', 8665-66', 8698-99', 8739-41', 8776-78', 8799-8800' & 8834-35'. Fracture stimulated w/54,779 gals gelled water & 194,516# 20/40 sand.
4. Perforated Upper Price River from 8263-65', 8316-17', 8331-32', 8406-07', 8420-21', 8470-72' & 8572-73'. Fracture stimulated w/56,815 gals gelled water & 210,278# 20/40 sand.
5. Returned well to production 8/29/2003, from all intervals from 8,263' to 10,768'.

TEST: 9/15/2003, 799 MCFD, 61BC, 98 BW in 24 hours on 12/64" choke, FTP 1400 psig, CP 2025 psig.

13. Name & Signature: Rate Carlin Title: **Regulatory Analyst** Date: **9/23/2003**

**RECEIVED**

**SEP 26 2003**

STATE OF UTAH  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

1. TYPE OF WELL OIL WELL ☐ GAS WELL ☒ OTHER \_\_\_\_\_

2. NAME OF OPERATOR:  
EOG RESOURCES, INC.

3. ADDRESS OF OPERATOR:  
P.O. BOX 250 CITY BIG PINEY STATE WY ZIP 83113

PHONE NUMBER:  
(307) 276-3331

5. LEASE DESIGNATION AND SERIAL NUMBER:  
FEE

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7. UNIT or CA AGREEMENT NAME:

8. WELL NAME and NUMBER:  
NORTH CHAPITA 221-06

9. API NUMBER:  
43-047-34873

10. FIELD AND POOL, OR WILDCAT:  
MESAVERDE

4. LOCATION OF WELL  
FOOTAGES AT SURFACE: 785 FSL 1794 FEL 40.059953 LAT 109.479053 LON

COUNTY: UINTAH

QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: SWSE 6 9S 22E S

STATE: UTAH

CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: _____	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLARE
<input type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion: _____	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/RESUME)	<input type="checkbox"/> WATER SHUT-OFF
	<input checked="" type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> OTHER: _____
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

EOG Resources, Inc. requests authorization for commingling of production from the Wasatch and Mesaverde formations in the referenced wellbore. In the event allocation of production is necessary, the allocation will be based on proportionate net pay as calculated from open hole logs. Production from the Wasatch and Mesaverde formations will be commingled in the wellbore and produced through open ended 2-3/8" tubing landed below all perforations in the 4-1/2" production casing.

Attached is a map showing the location of all wells on contiguous oil and gas leases or drilling units and an affidavit showing that this application has been provided to owners of all contiguous oil and gas leases or drilling units overlying the pool.

EOG Resources, Inc. operates under Nationwide Bond #2308

COPY SENT TO OPERATOR  
DATE: 11-3-05  
INITIALS: CHD

NAME (PLEASE PRINT) Kaylene R. Gardner

TITLE Regulatory Assistant

SIGNATURE

DATE 9/27/2005

(This space for State use only)

APPROVED BY THE STATE  
OF UTAH DIVISION OF  
OIL, GAS, AND MINING  
DATE: 10/24/05  
BY: [Signature]

RECEIVED

OCT 03 2005

DIV. OF OIL, GAS & MINING



STATE OF UTAH )

) ss

COUNTY OF UTAH )

**VERIFICATION**

Jim Schaefer, of lawful age, and being first duly sworn upon oath, deposes and says:

He is the Division Operations Manager of EOG Resources, Inc., of Big Piney, Wyoming. EOG Resources, Inc. is the operator of the following described well:

**NORTH CHAPITA 221-06  
785 FSL – 1794 FEL (SW/SE)  
SECTION 6, T9S, R22E  
UINTAH COUNTY, UTAH**

EOG Resources, Inc. and Westport Oil and Gas Company, L.P. are the only owners in the well and/or of all contiguous oil and gas leases or drilling units overlying the pool.

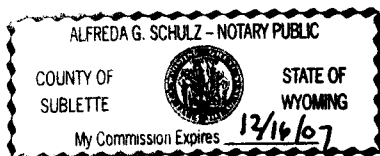
On the 27<sup>th</sup> day of September, 2005 he placed in the United States mail, with postage prepaid, a copy of the attached Application for Commingling in one wellbore for the subject well.

Said envelope which contained these instruments was addressed to the Utah Division of Oil, Gas & Mining, Bureau of Land Management, and Westport Oil & Gas Company, L.P.


Further affiant saith not.

  
Jim Schaefer  
Division Operations Manager

Subscribed and sworn before me this 9<sup>th</sup> day of March, 2004.



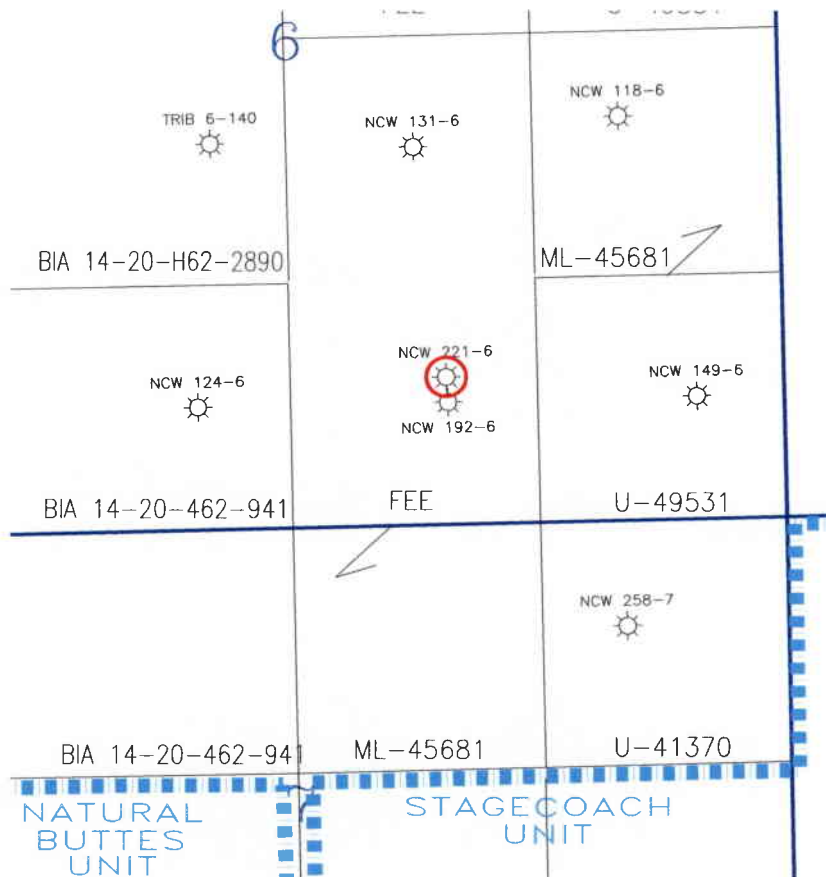
My Commission Expires:  
December 16, 2007

  
Notary Public

**Exhibit "A" to Affidavit  
North Chapita 221-06 Application to Commingle**

**Westport Oil and Gas Company, L.P.  
1999 Broadway, Suite 3600  
Denver, Colorado 80202  
Attn: Mr. Chris Latimer**

R 22 E



T 9 S

○ North Chapita 221-6 Well

☼ Gas Well

Scale: 1" = 1000'

0 1/4 1/2 Mile

 **eog resources**

Denver Division

**EXHIBIT "A"**  
to Commingling Application for  
North Chapita 221-6 Well  
Uintah County, Utah

Scale:  
1" = 1000'

D:\utah\page\_NC221-6\_commingling.dwg  
NC221-6

Author

Sep 27, 2005 -  
9:32am

STATE OF UTAH  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

1. TYPE OF WELL OIL WELL ☐ GAS WELL ☒ OTHER \_\_\_\_\_

2. NAME OF OPERATOR:  
EOG Resources, Inc.

3. ADDRESS OF OPERATOR:  
P.O. Box 250 CITY Big Piney STATE WY ZIP 83113

PHONE NUMBER:  
(307) 276-4842

4. LOCATION OF WELL  
FOOTAGES AT SURFACE: 785 FSL 1794 FEL 40.059953 LAT 109.479053 LON

COUNTY: UINTAH

STATE: UTAH

5. LEASE DESIGNATION AND SERIAL NUMBER:  
FEE

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7. UNIT or CA AGREEMENT NAME:

8. WELL NAME and NUMBER:  
NORTH CHAPITA 221-06

9. API NUMBER:  
43-047-34873

10. FIELD AND POOL, OR WILDCAT:  
MESAVERDE

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: _____	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLARE
<input type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion: _____	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/RESUME)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> OTHER: _____
	<input type="checkbox"/> CONVERT WELL TYPE	<input checked="" type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

EOG Resources, Inc. requests permission to recomplete the referenced well in the Wasatch formation commingling production in the Wasatch and Mesaverde formations as follows:

1. Set 10k composite frac plug @ 8205'. Perforate the Upper Price River from 8052-8157' w/3 SPF. Fracture stimulate.
  2. Set 10k composite frac plug @ 7575'. Perforate the North Horn from 7244-7536' w/3 SPF. Fracture stimulate.
  3. Set 10k composite frac plug @ 7200'. Perforate the North Horn from 7059-7170' w/3 SPF. Fracture stimulate.
  4. Set 10k composite frac plug @ 7010'. Perforate the Ca from 6664-6978' w/3 SPF. Fracture stimulate.
  5. Set 10k composite frac plug @ 6634'. Perforate the Tw from 6407-6601' w/3 SPF. Fracture stimulate.
- Drill out composite frac plugs, land tubing, return to sales commingling production in the Wasatch and Mesaverde Formations.

EOG Resources, Inc. operates under Nationwide Bond # NM 2308.

COPY SENT TO OPERATOR  
DATE: 12-22-05  
INITIALS: [Signature]

NAME (PLEASE PRINT) Kaylene R. Gardner

TITLE Regulatory Assistant

SIGNATURE [Signature]

DATE 12/9/2005

(This space for State use only)

APPROVED BY THE STATE  
OF UTAH DIVISION OF  
OIL, GAS, AND MINING

DATE: 12/19/05  
BY: [Signature]  
(See Instructions on Reverse Side)

Case 173-16

RECEIVED

DEC 12 2005

DIV. OF OIL, GAS & MINING

STATE OF UTAH  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

1. TYPE OF WELL OIL WELL ☐ GAS WELL ☒ OTHER \_\_\_\_\_

2. NAME OF OPERATOR:  
EOG Resources, Inc.

3. ADDRESS OF OPERATOR:  
600 17th St., Suite 1000N CITY Denver STATE CO ZIP 80202

PHONE NUMBER:  
(303) 824-5526

5. LEASE DESIGNATION AND SERIAL NUMBER:  
Fee

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7. UNIT or CA AGREEMENT NAME:

8. WELL NAME and NUMBER:  
North Chapita 221-6

9. API NUMBER:  
43-047-34873

10. FIELD AND POOL, OR WILDCAT:  
Natural Buttes

4. LOCATION OF WELL

FOOTAGES AT SURFACE: 785' FSL & 1794' FEL 40.059953 LAT 109.479053 LON

COUNTY: Uintah

QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: SWSE 6 9S 22E

STATE: UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: _____	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLARE
<input checked="" type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion: _____	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/RESUME)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> OTHER: _____
	<input type="checkbox"/> CONVERT WELL TYPE	<input checked="" type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

EOG Resources, Inc. recompleted the referenced well opening additional pay in the Mesaverde and Wasatch formation as follows:

1. Perforated the Middle Price River from 8154-57', 8070-72' & 8052-55' w/ 2 spf. Fracture stimulated with 55,941 gals gelled water & 131,280# 20/40 sand.
2. Perforated the North Horn from 7244-46', 7248-50', 7354-55', 7524-26' & 7534-36' w/ 3 spf. Fracture stimulated with 37,293 gals gelled water & 93,696# 20/40 sand.
3. Perforated the North Horn from 7059-60', 7069-70', 7113-14', 7118-19', 7136-38' & 7168-70' w/ 3 spf. Fracture stimulated with 32,127 gals gelled water & 71,529# 20/40 sand.
4. Perforated the Ca from 6664-65', 6711-12', 6767-68', 6838-40', 6897-98', 6842-44' & 6977-78' w/ 3 spf. Fracture stimulated with 45,998 gals gelled water & 91,604# 20/40 sand.
5. Perforated the Tw from 6407-6408', 6451-52', 6508-09', 6522-23', 6556-58' & 6598-6601' w/ 3 spf. Fracture stimulated with 23,058 gals gelled water & 73,200# 20/40 sand.

Returned to sales, commingling the Mesaverde and Wasatch formations, on 4/18/2006.

NAME (PLEASE PRINT) Mary A. Maestas

TITLE Operations Clerk

SIGNATURE

*Mary A. Maestas*

DATE 6/15/2006

(This space for State use only)

JUN 19 2006